

Figure 1

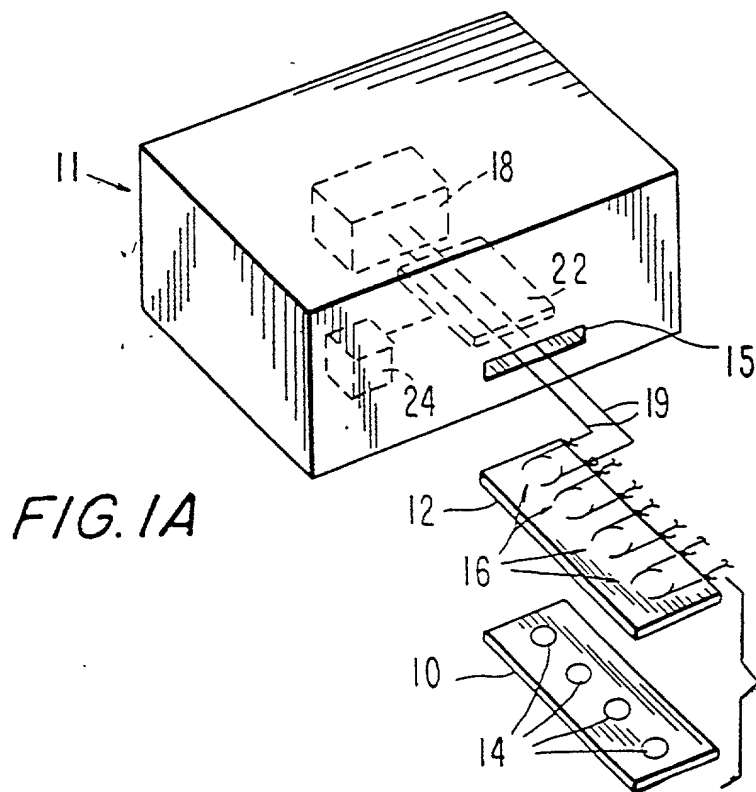
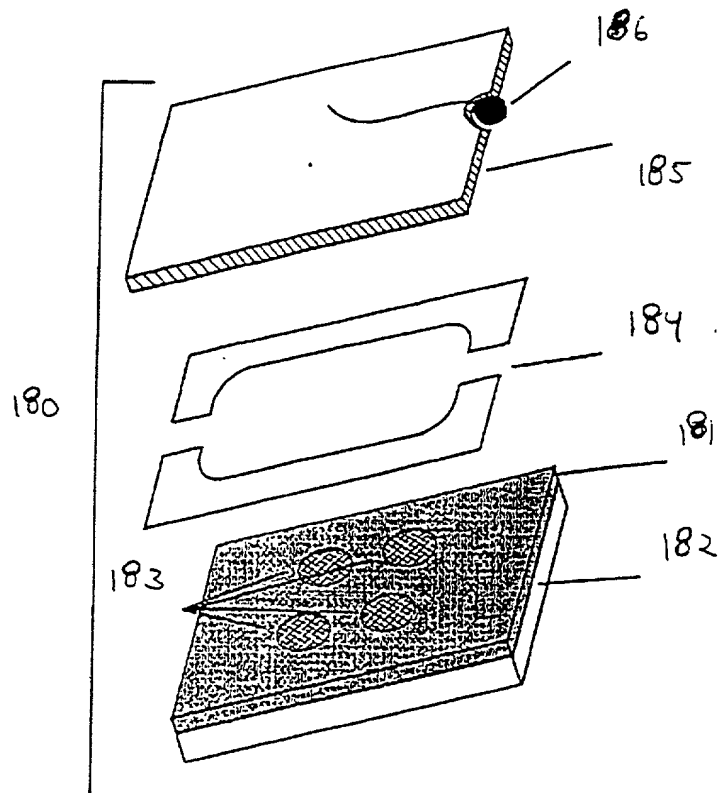


FIG. 2

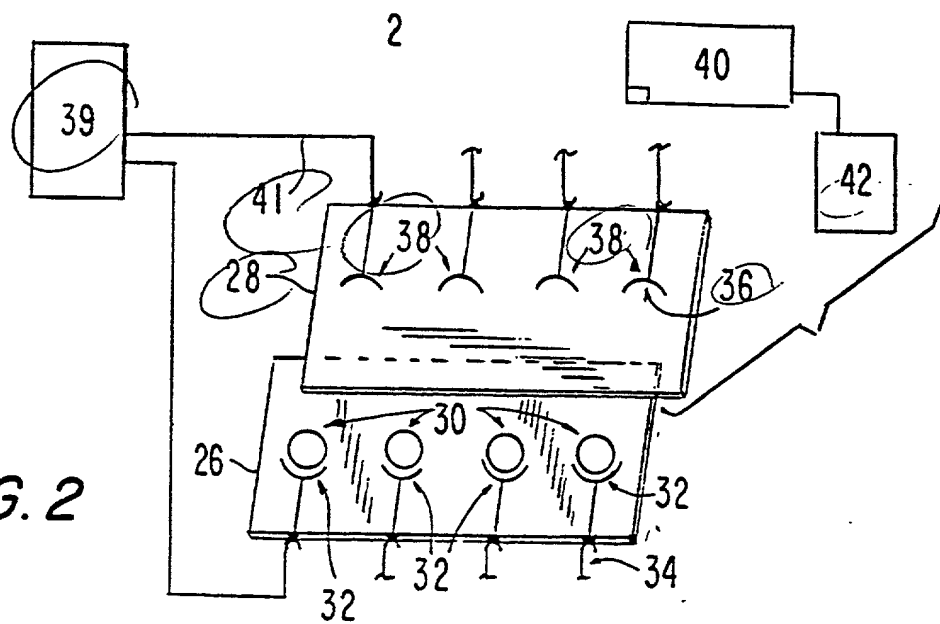


FIG. 3

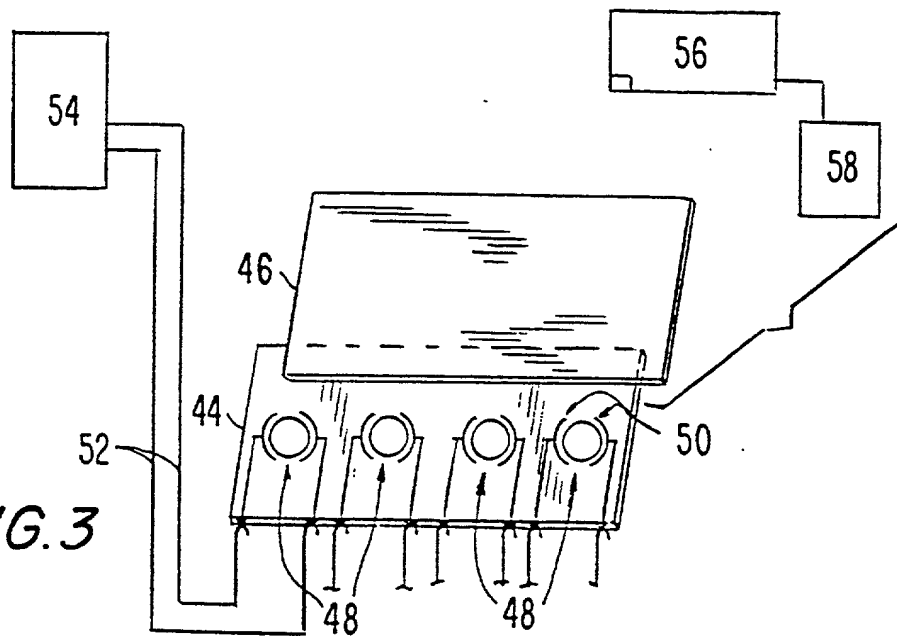
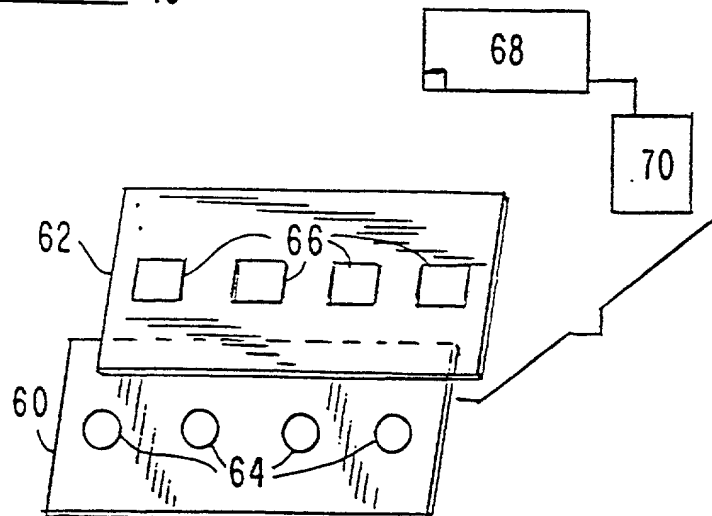


FIG. 4



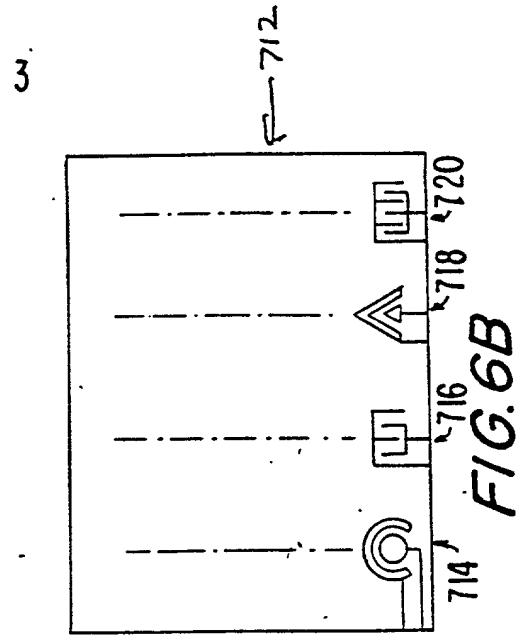
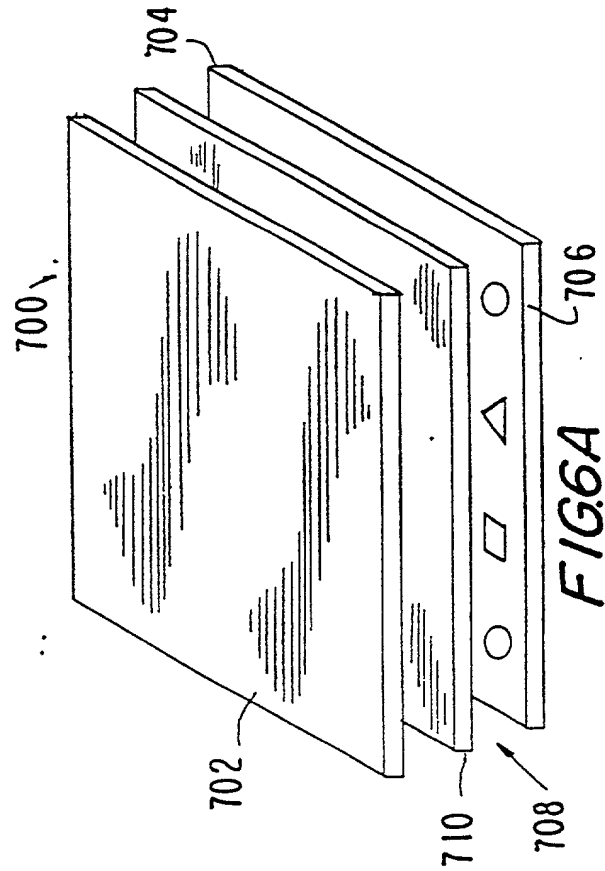
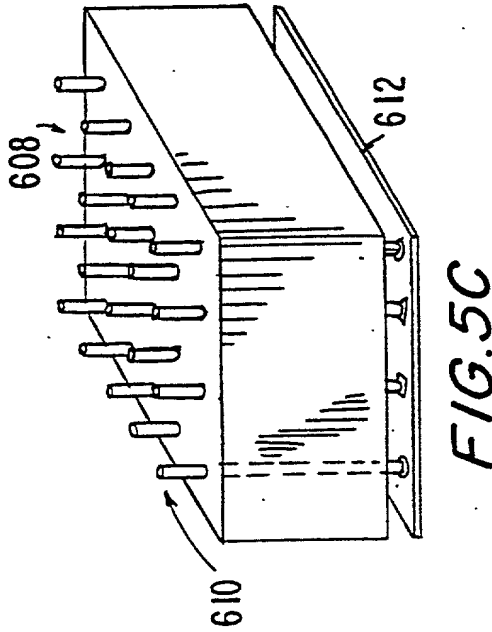
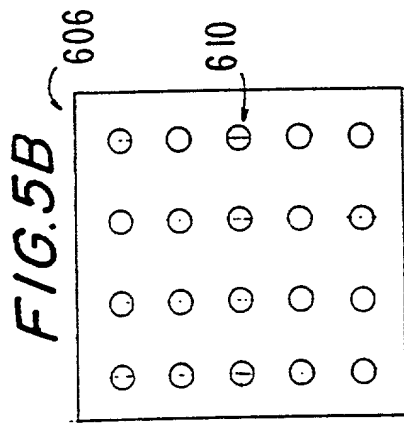
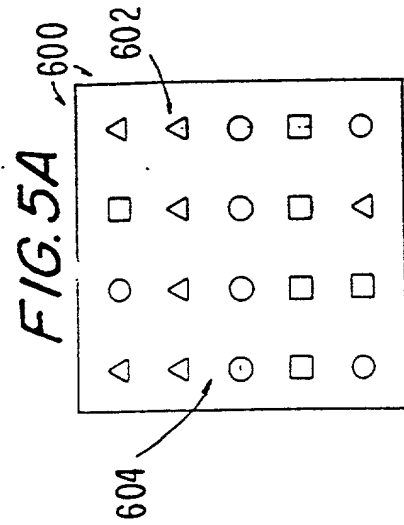


FIG. 7

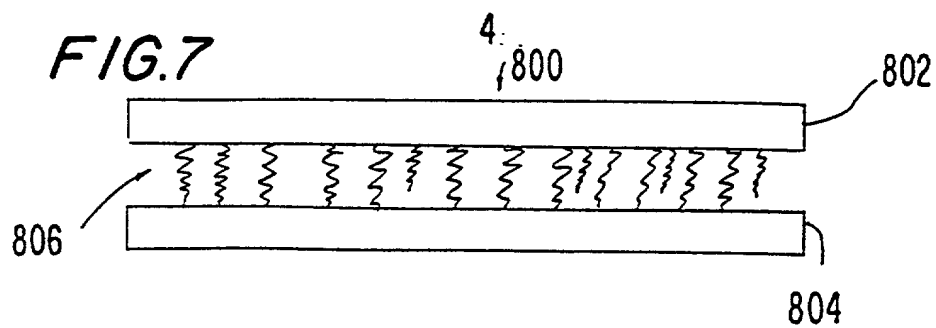


FIG. 8

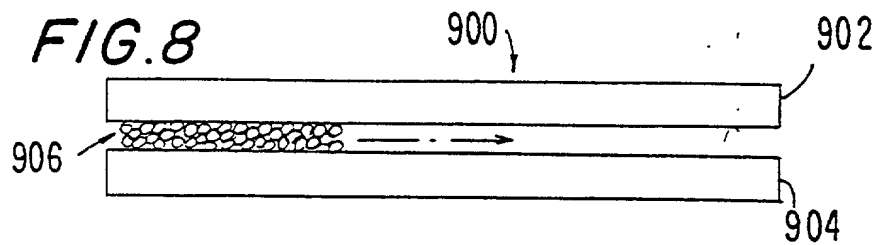


FIG. 9

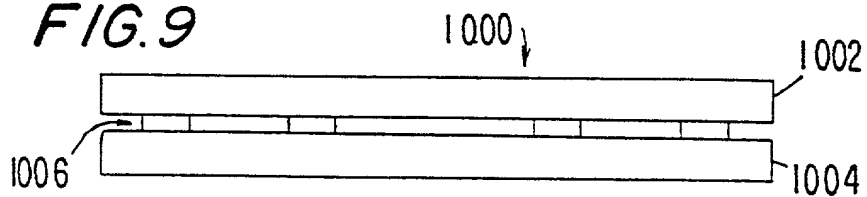


FIG. 10

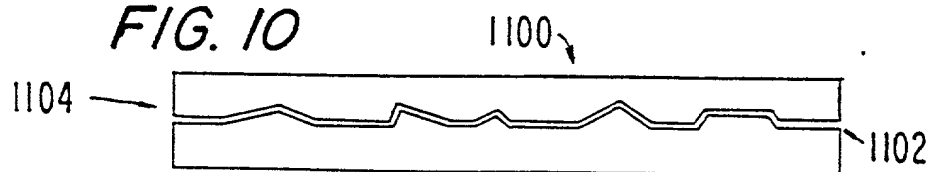


FIG. 11

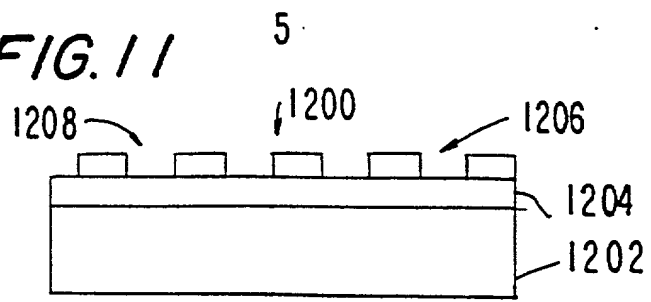


FIG. 12

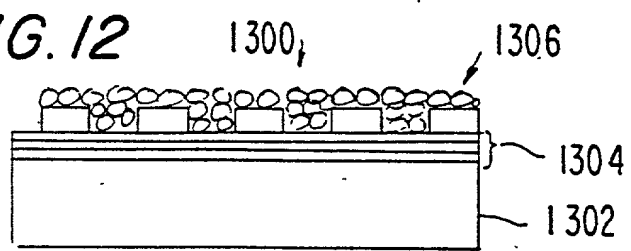
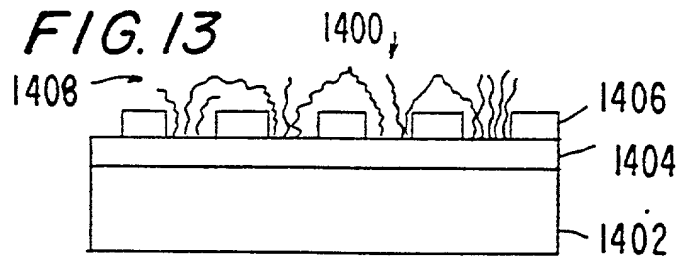


FIG. 13



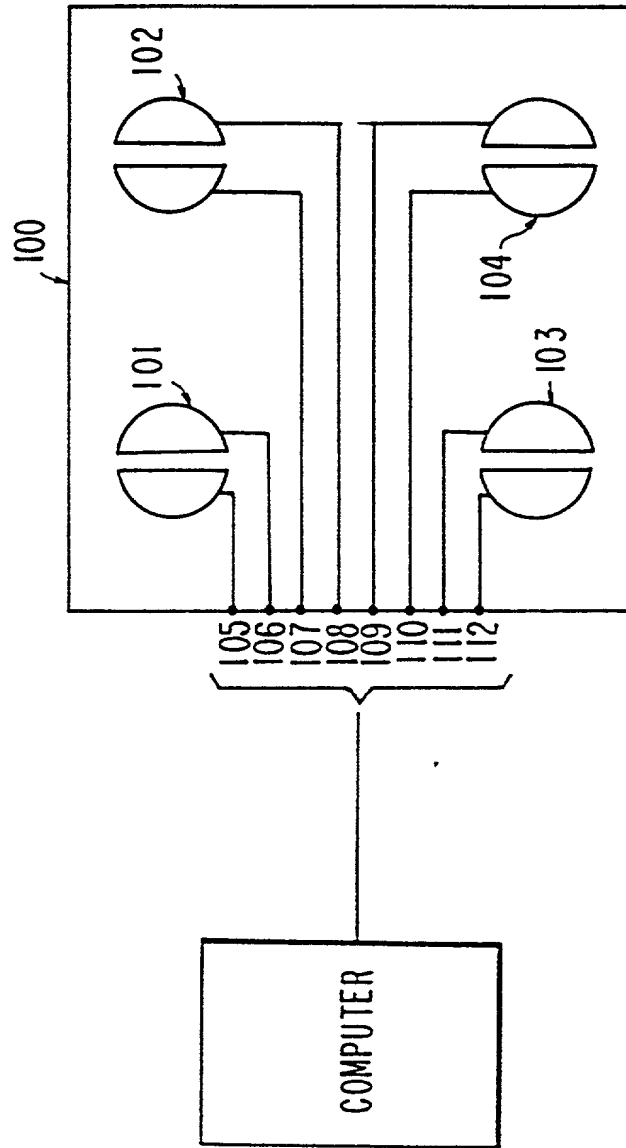


FIG. 14

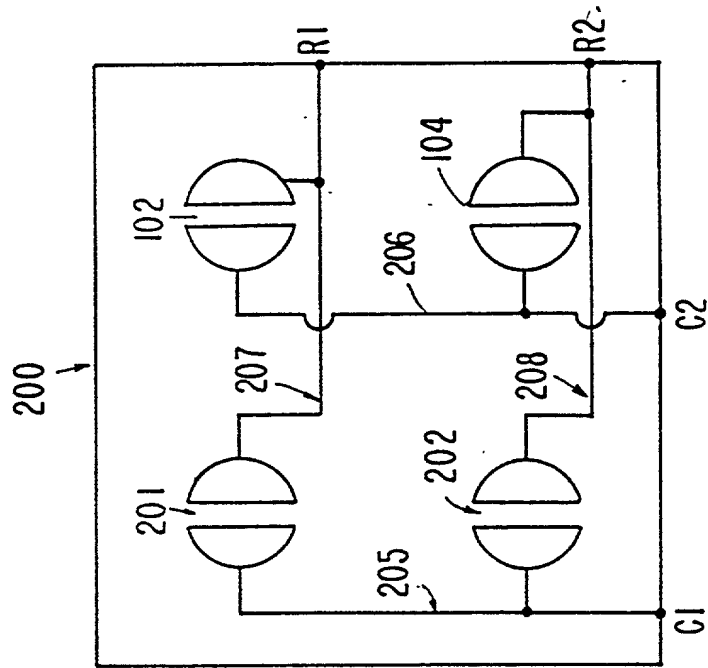


FIG. 15

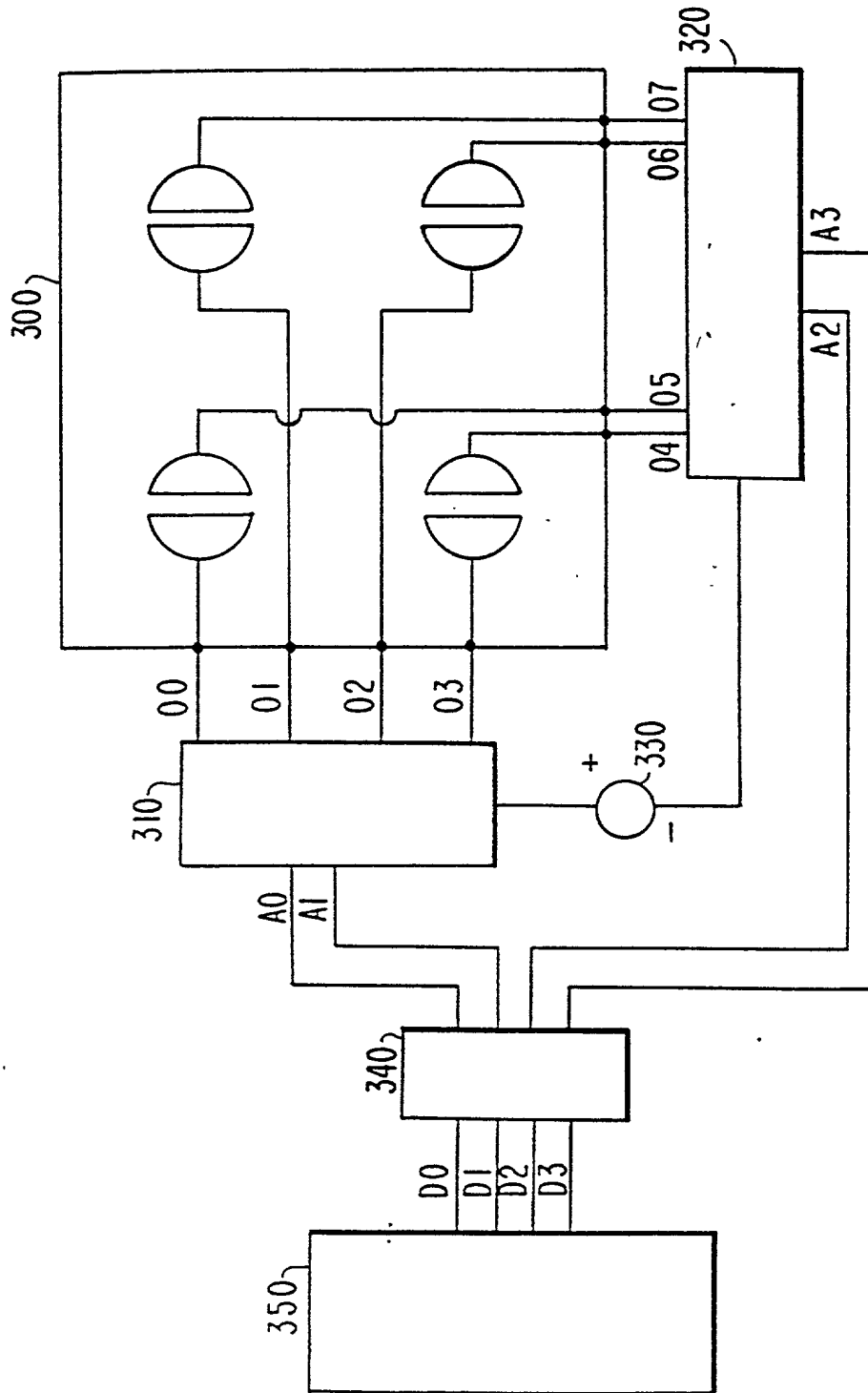


FIG. 16



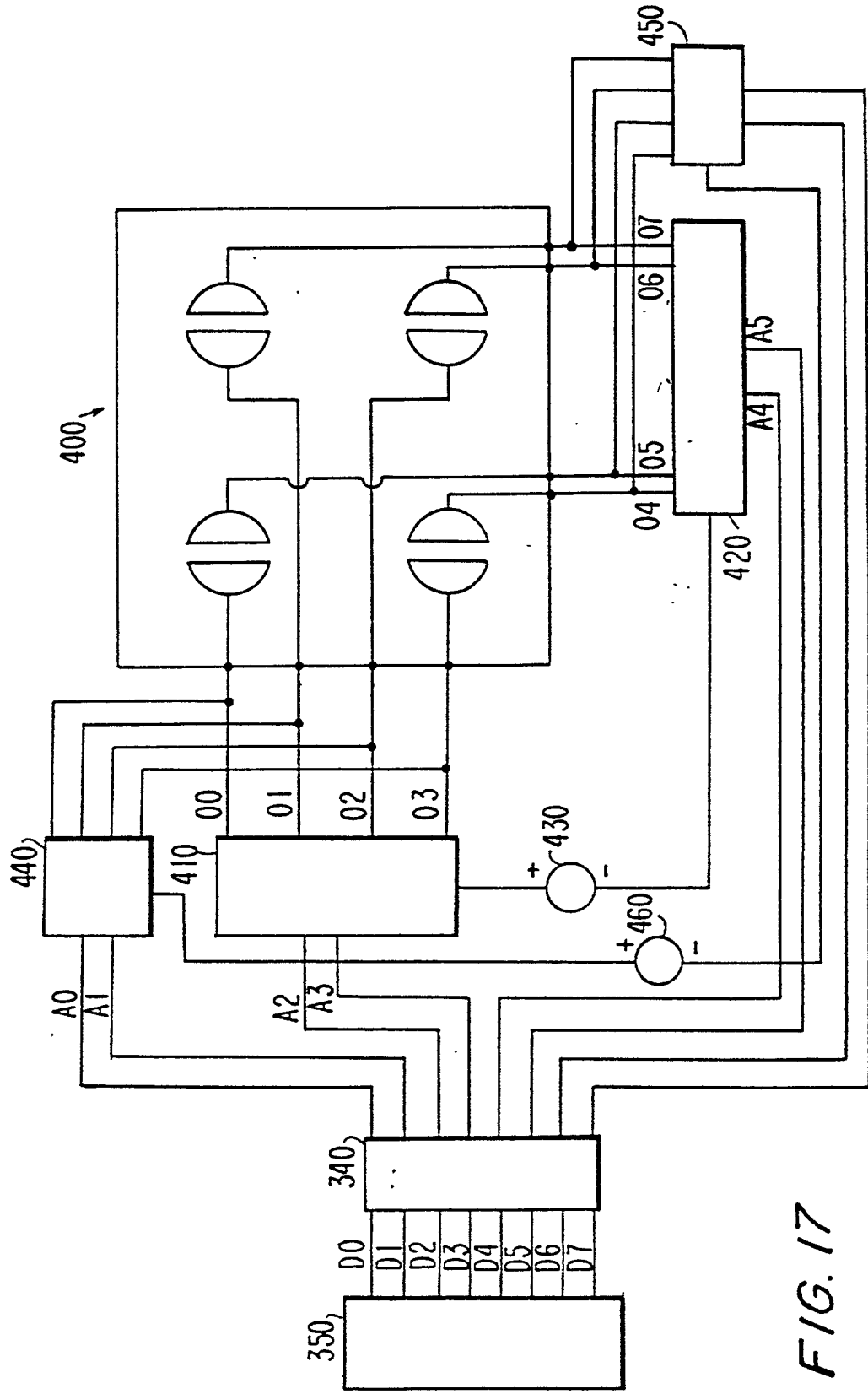


FIG. 17

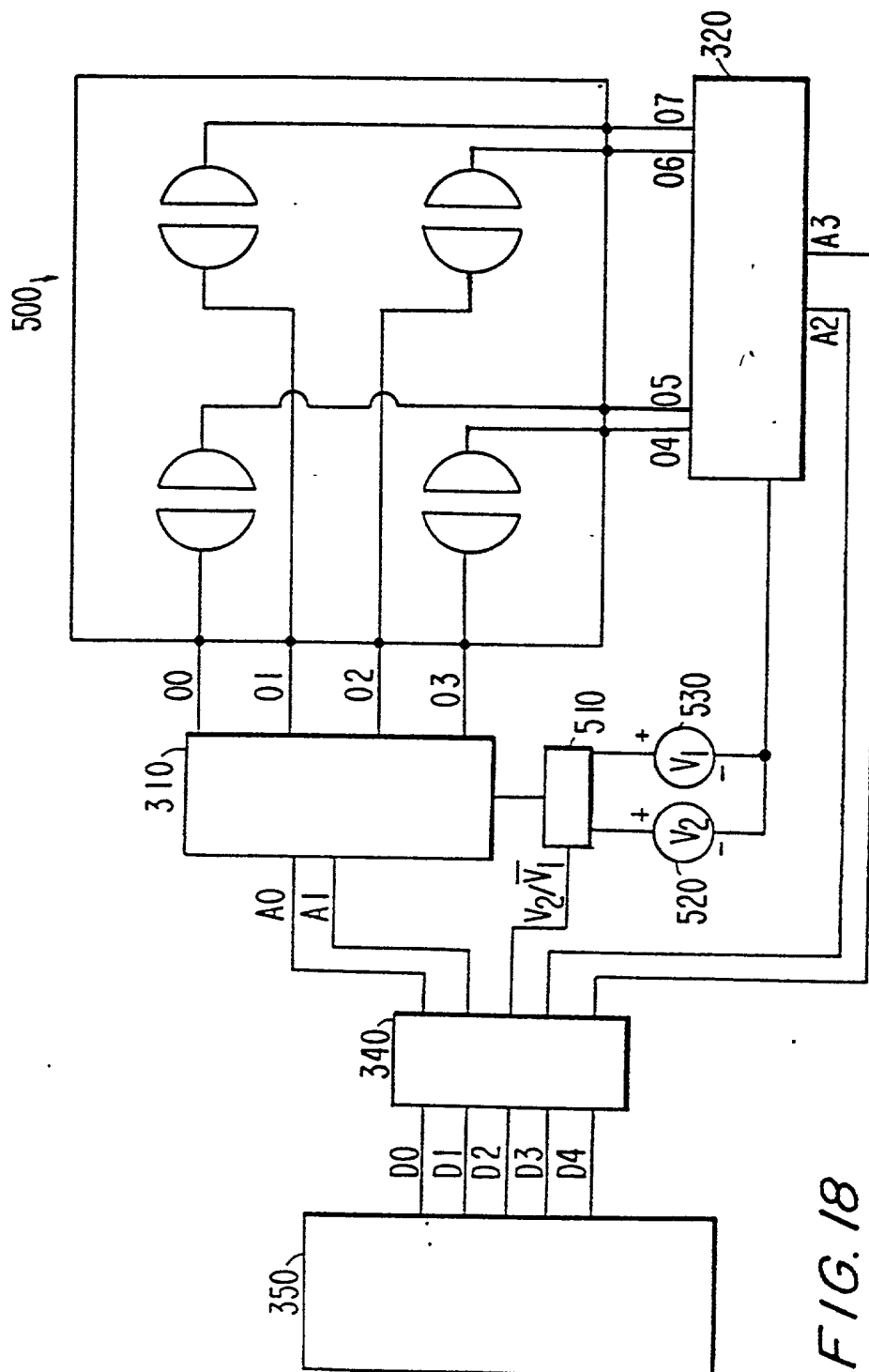


FIG. 18



FIG. 19a

FIG. 19b



FIG. 19c



FIG. 19d



FIG. 19e

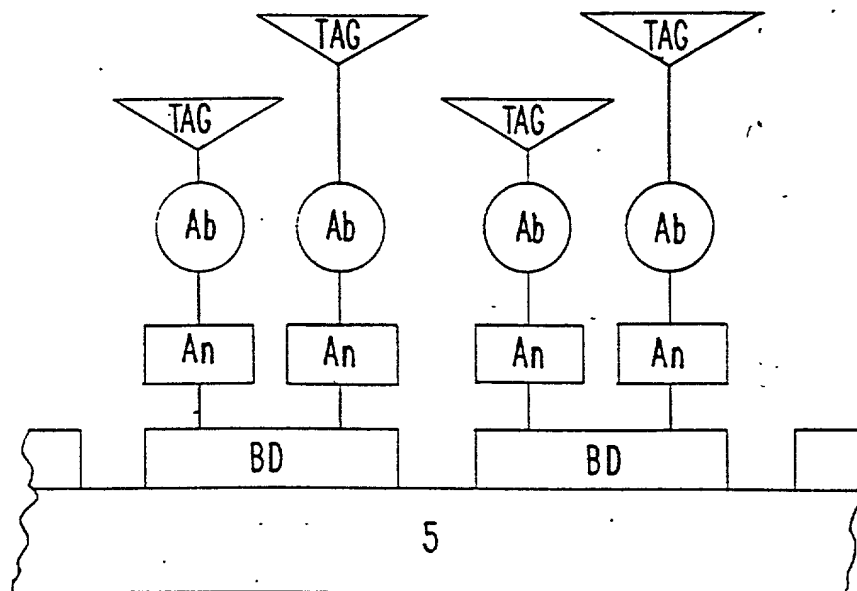


FIG. 20

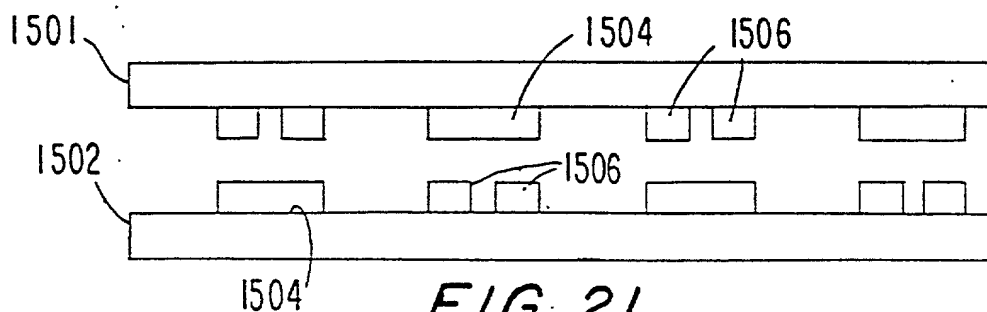


FIG. 21

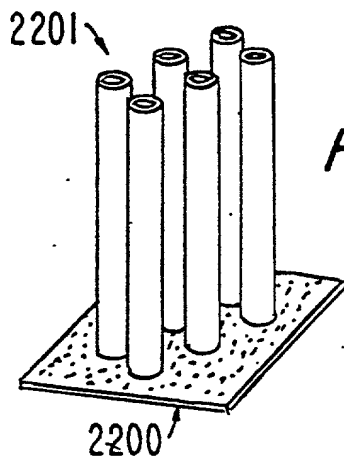


FIG. 22A

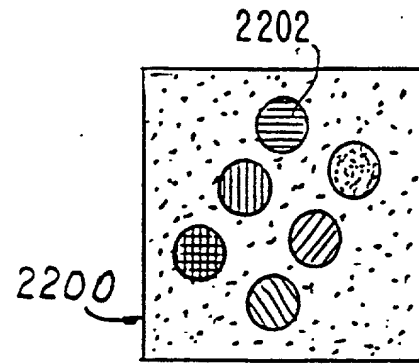


FIG. 22B

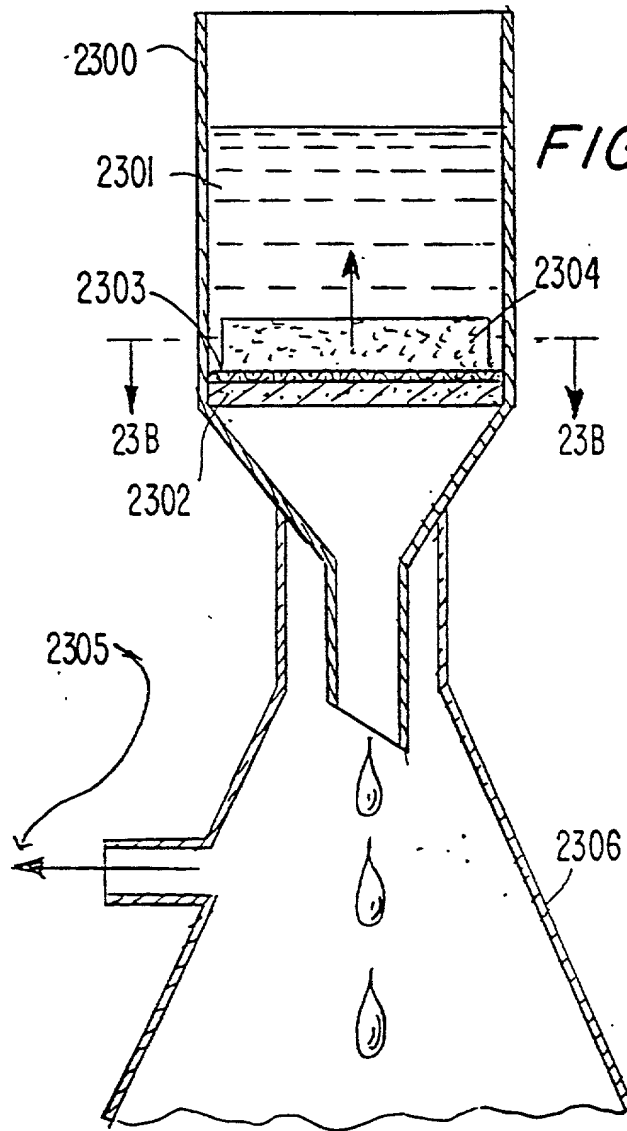


FIG. 23A

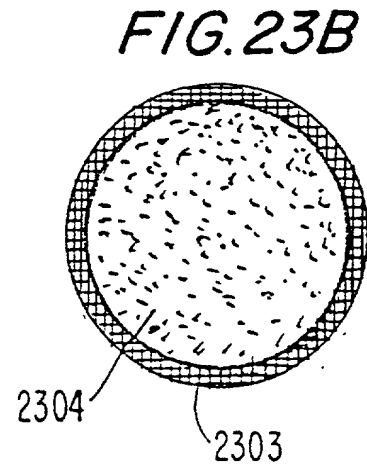


FIG. 23B

13

FIG. 24

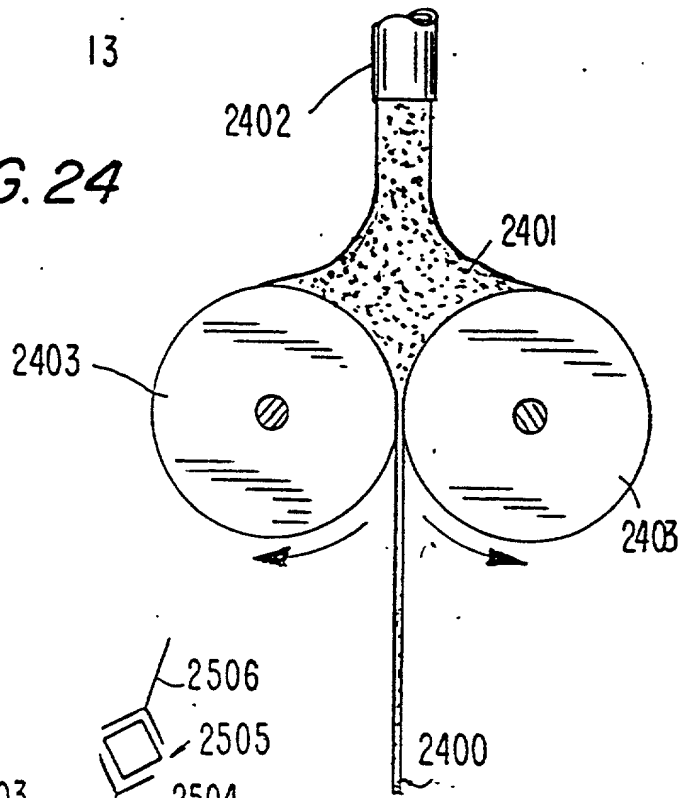


FIG. 25

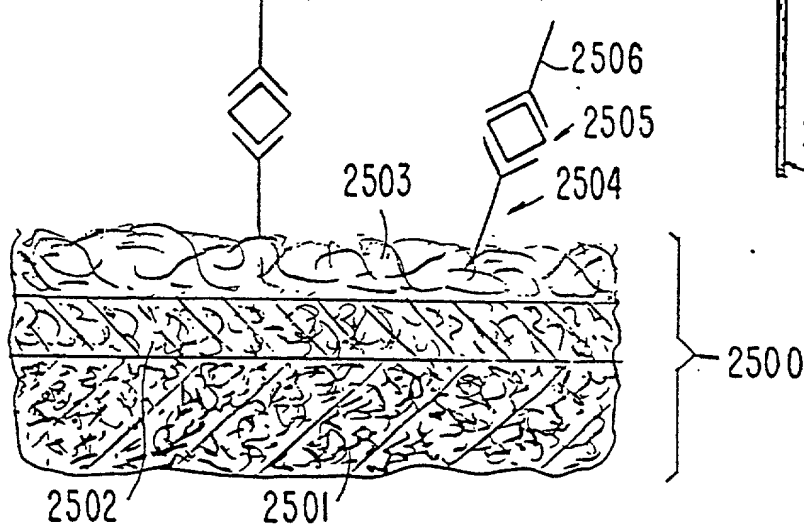


FIG. 26

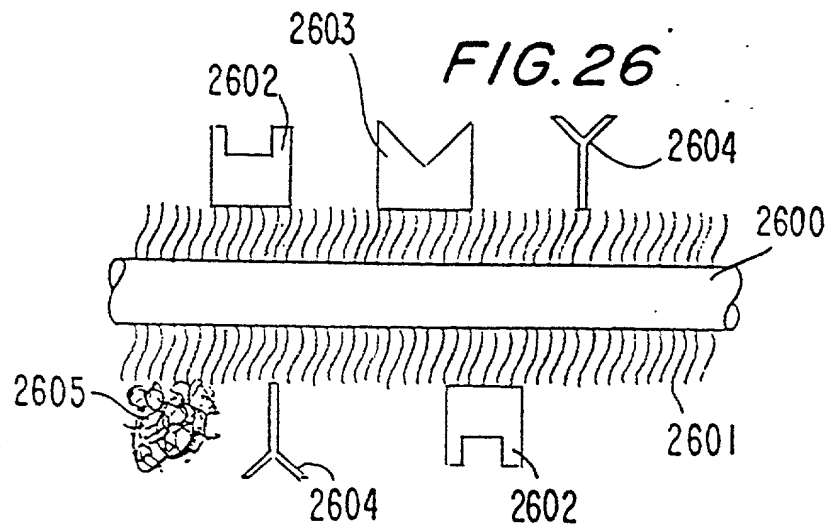


FIG. 27

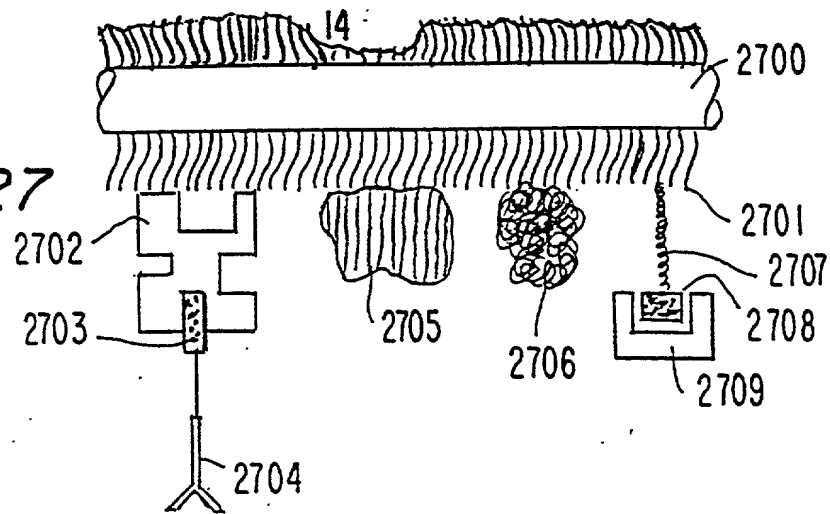


FIG. 28

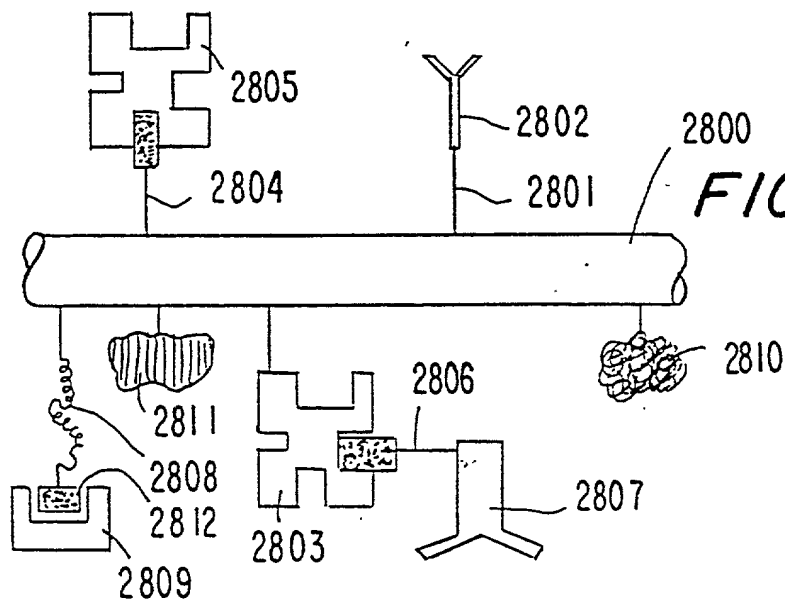


FIG. 29

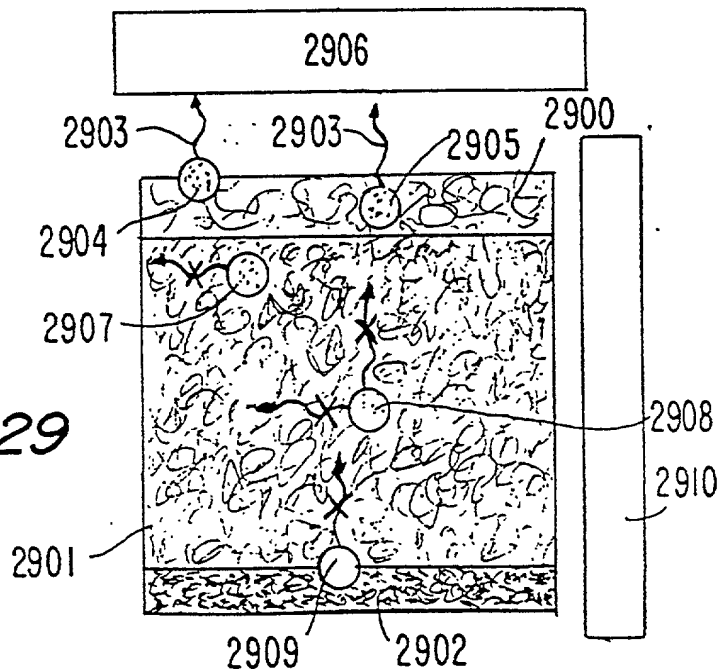


FIG.30A

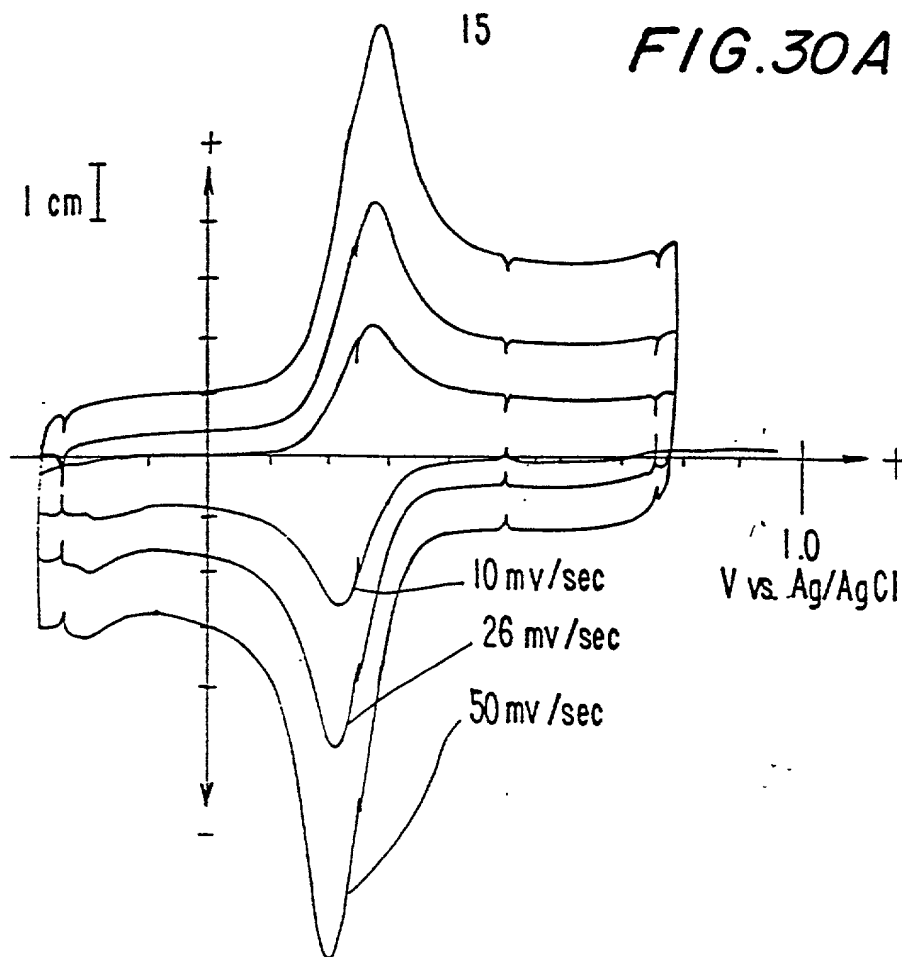


FIG.30B

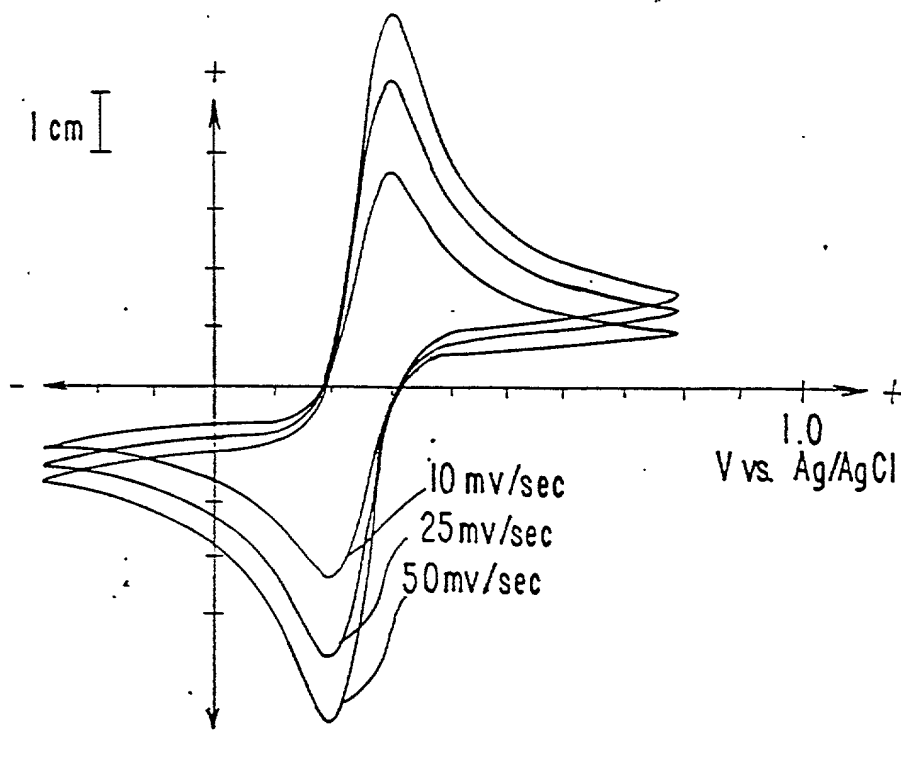
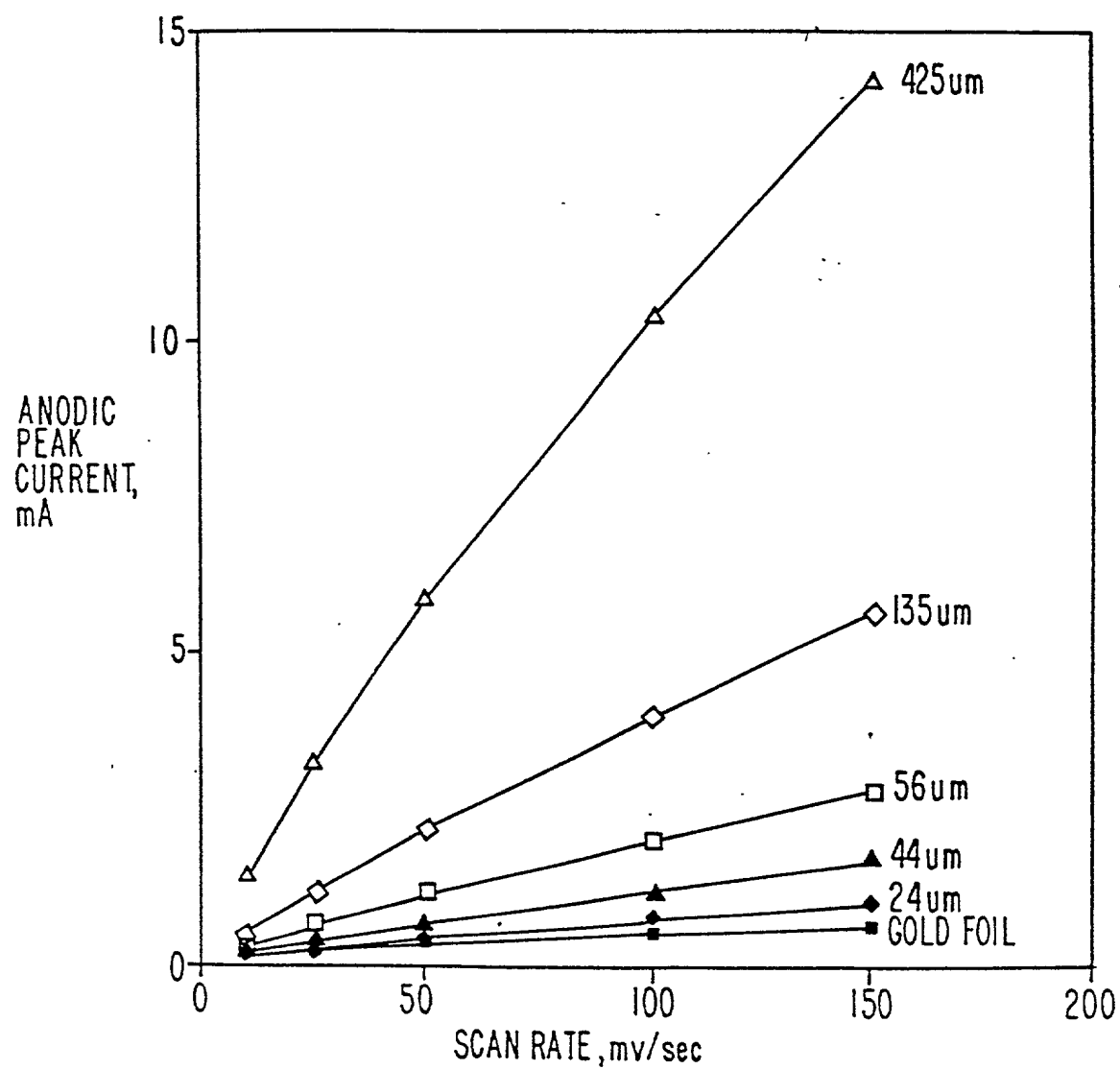


FIG. 31





ECL PEAK INTENSITY

FIG. 32

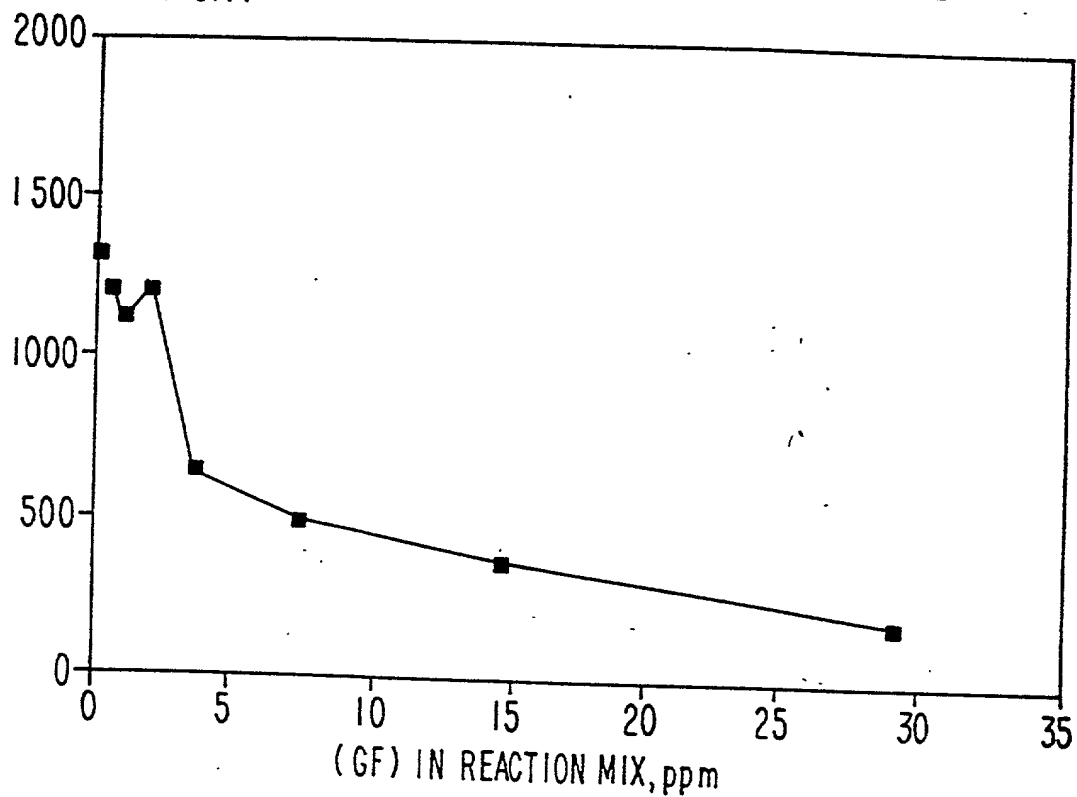
ECL PEAK INTENSITY  
OF SUPERNATANT

FIG. 33

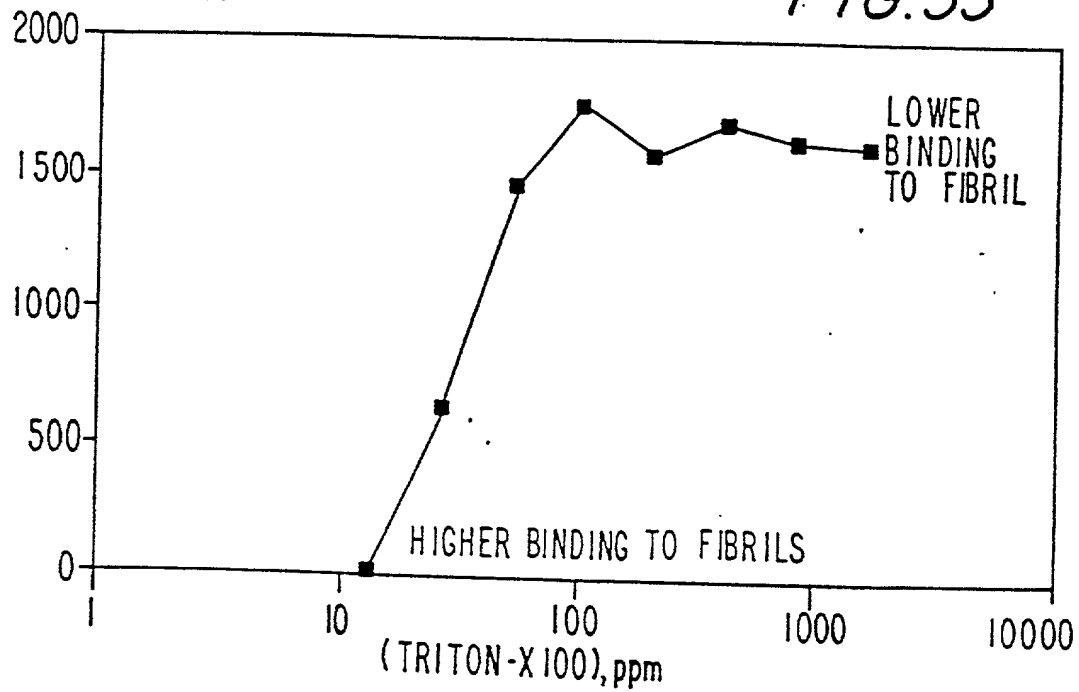


FIG. 34

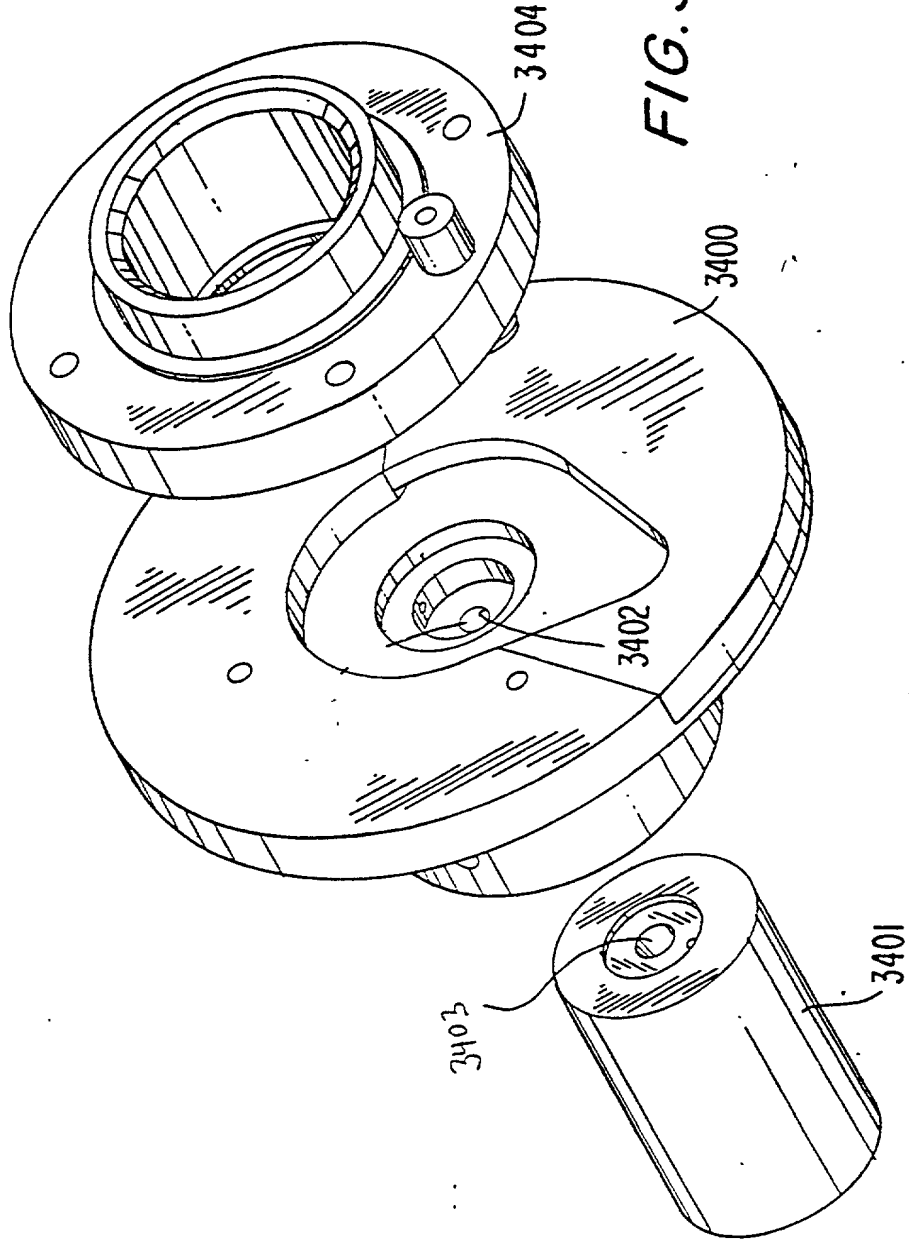


FIG. 35

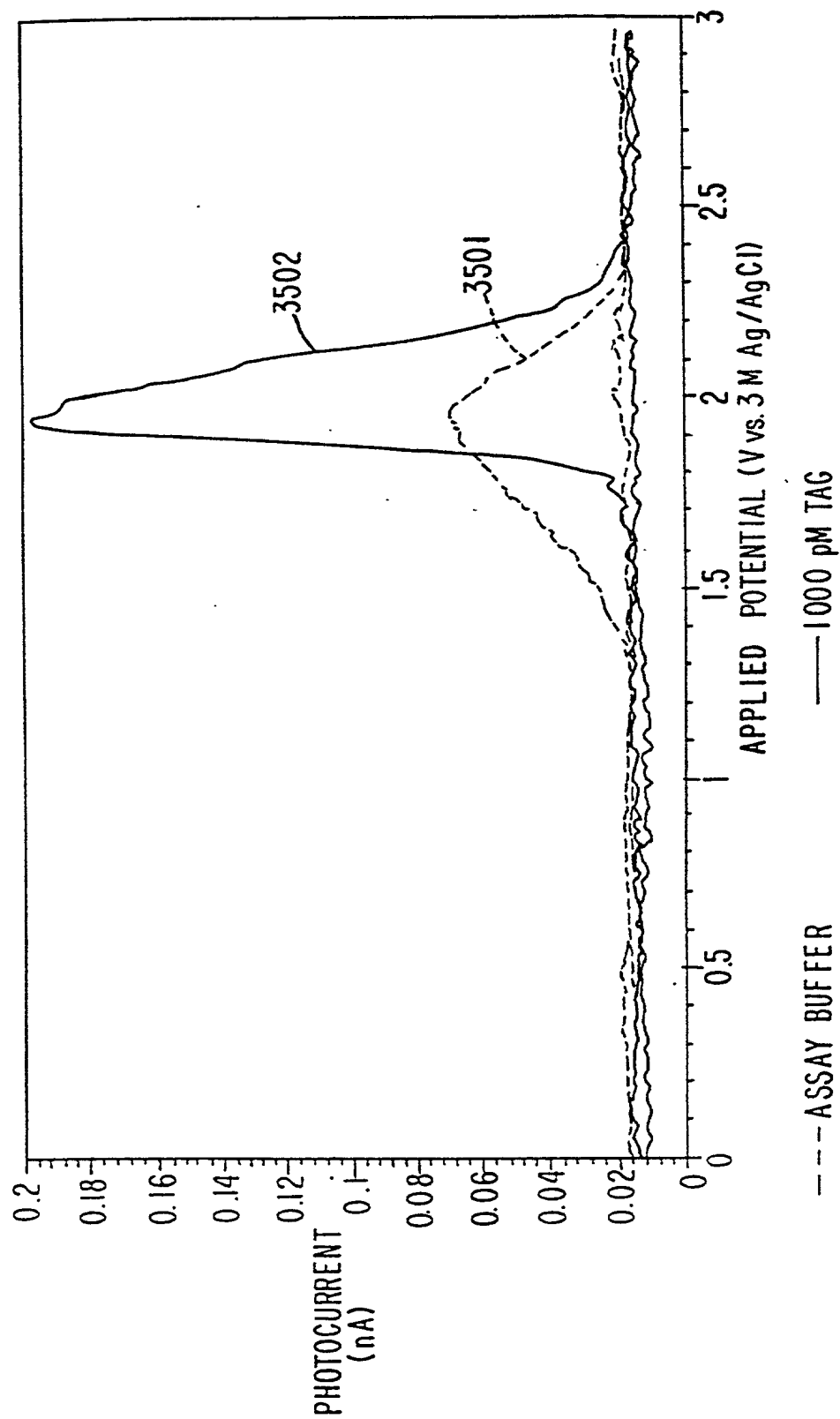


FIG. 36

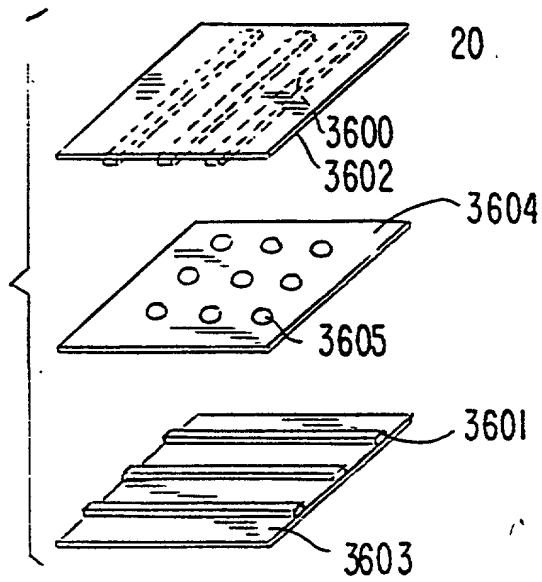


FIG. 37

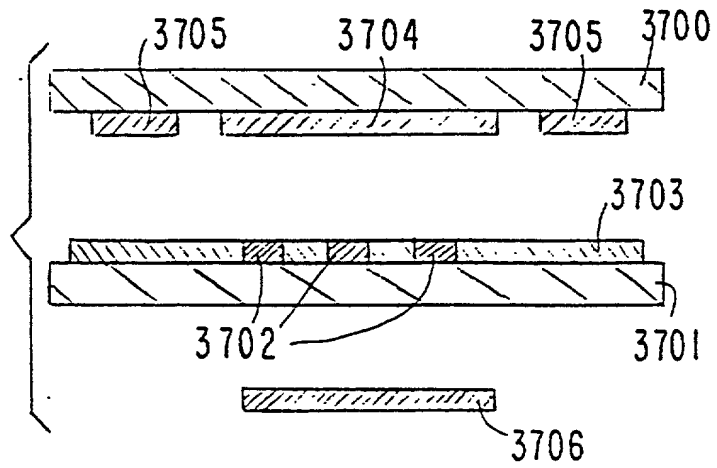


FIG. 38

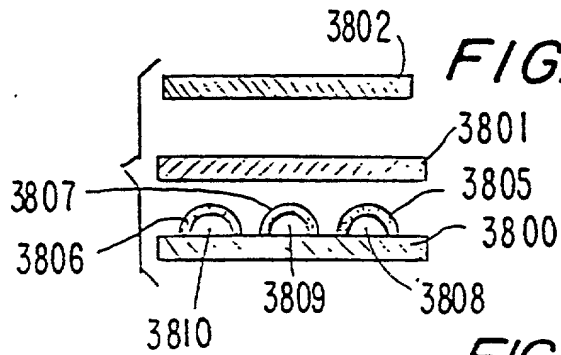


FIG. 39

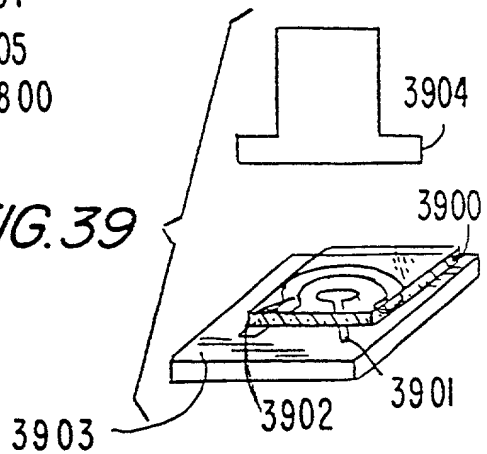


FIG. 40<sup>21</sup>

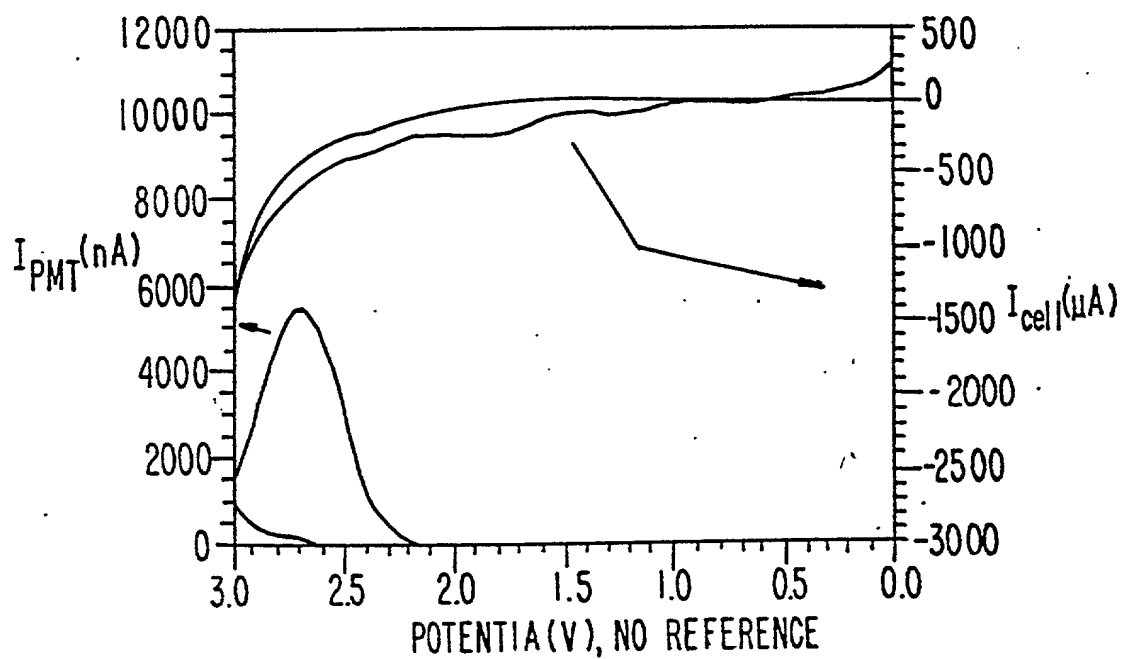
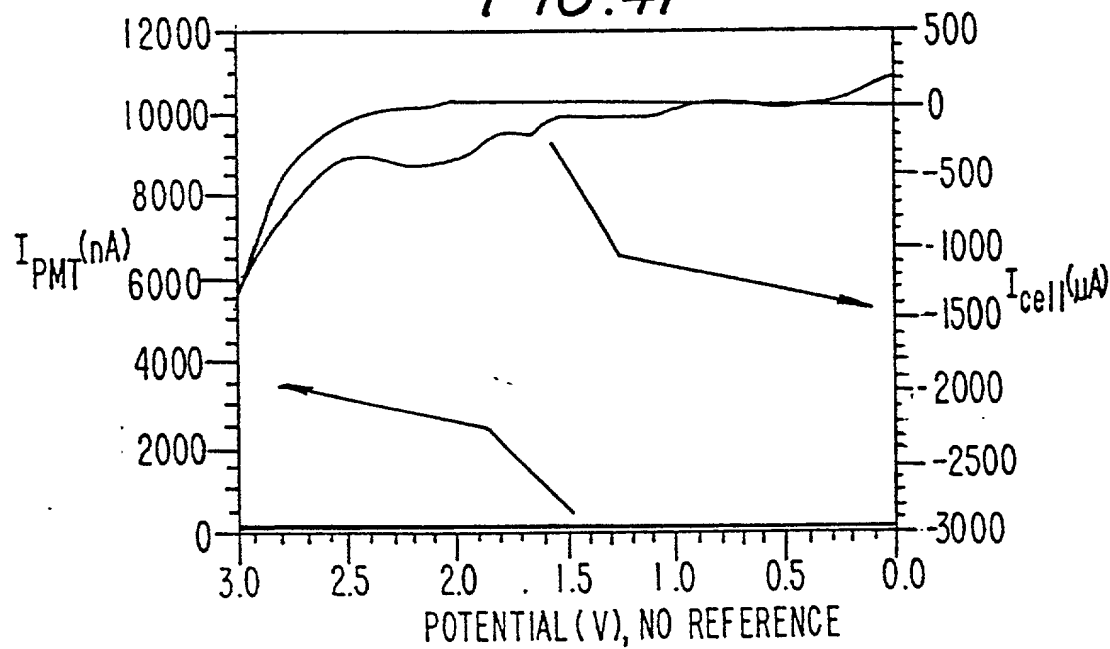


FIG. 41



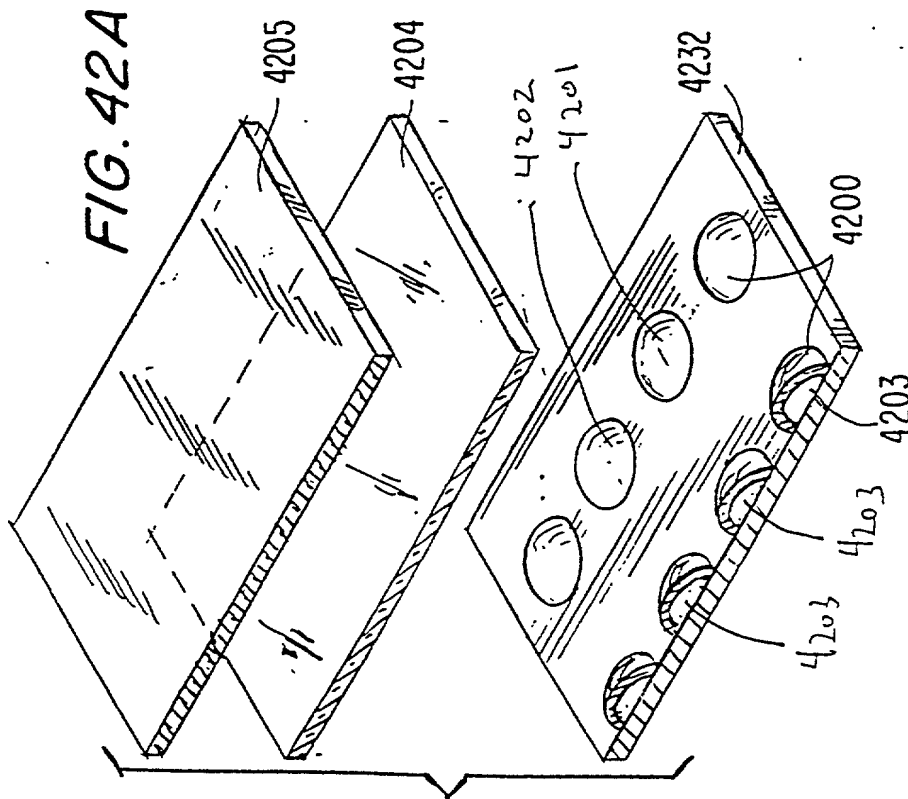


FIG. 42A

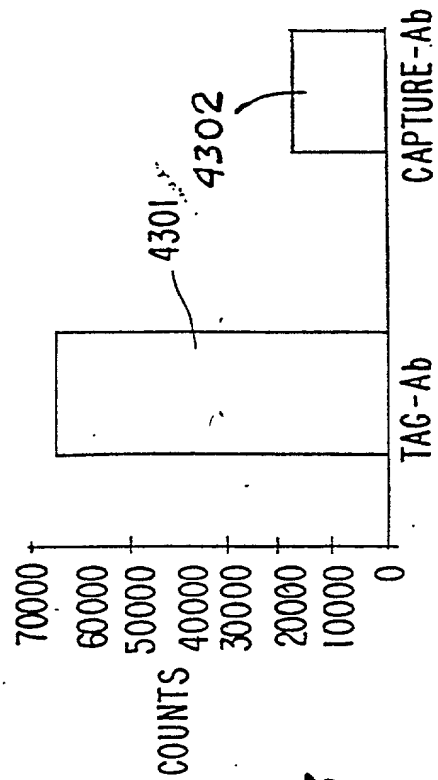
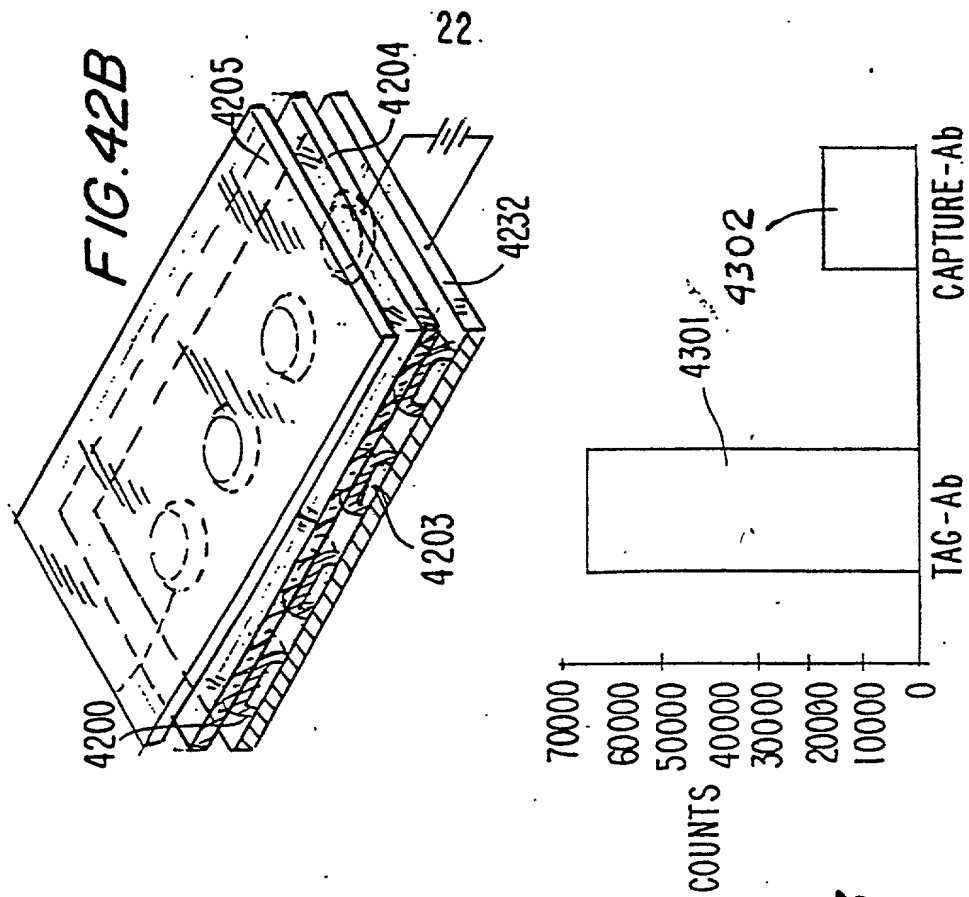


FIG. 43

FIG. 44A

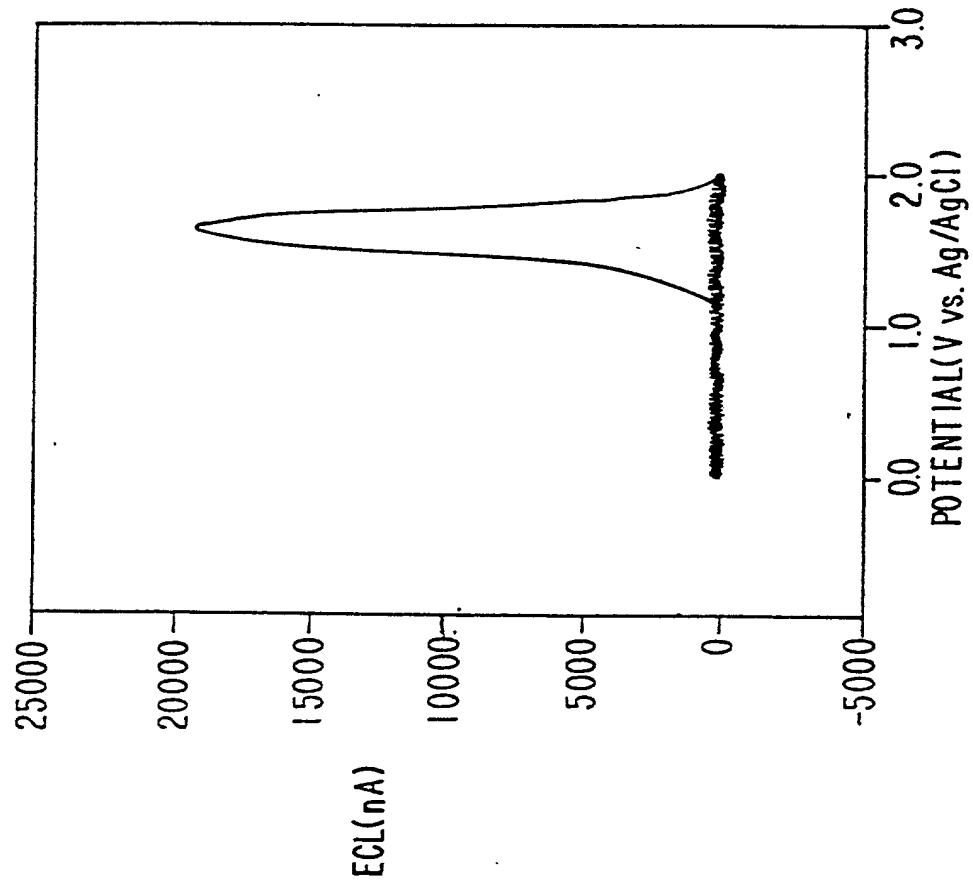


FIG. 44B

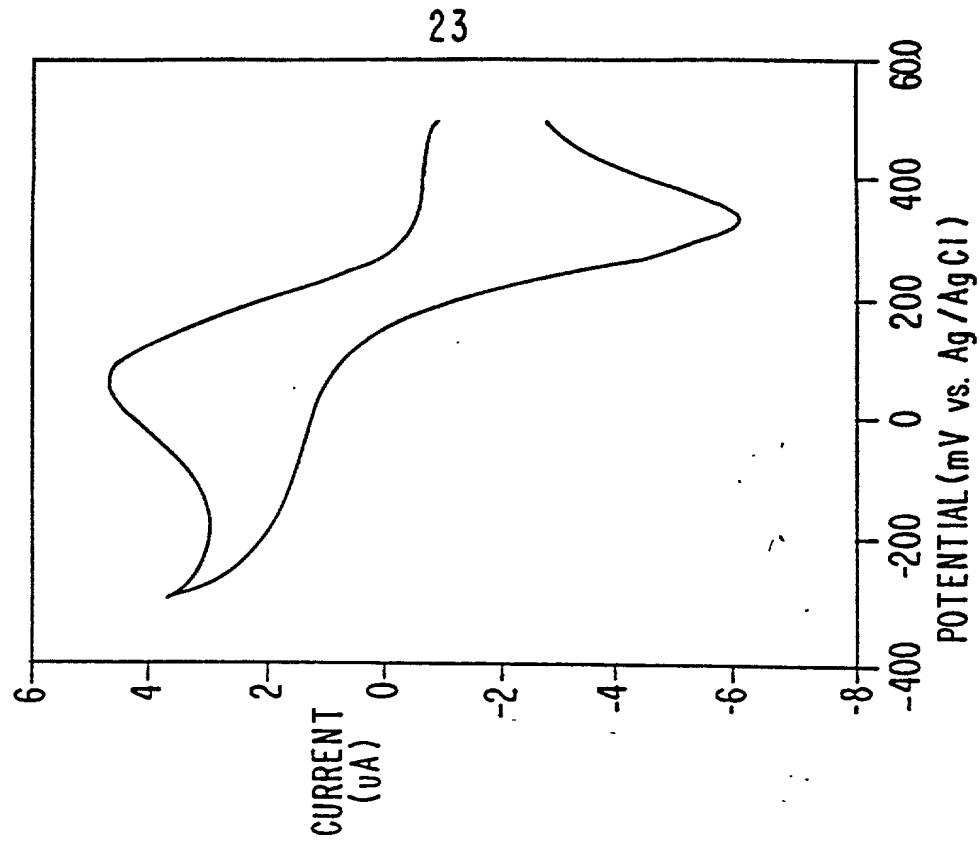


FIG. 45A

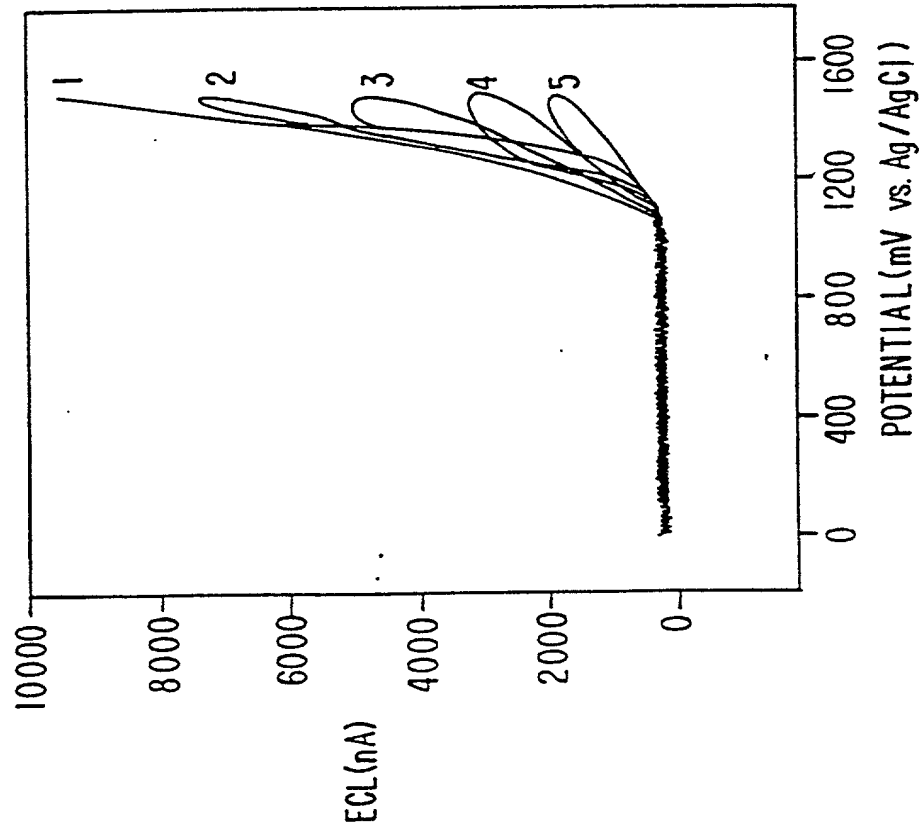


FIG. 45B

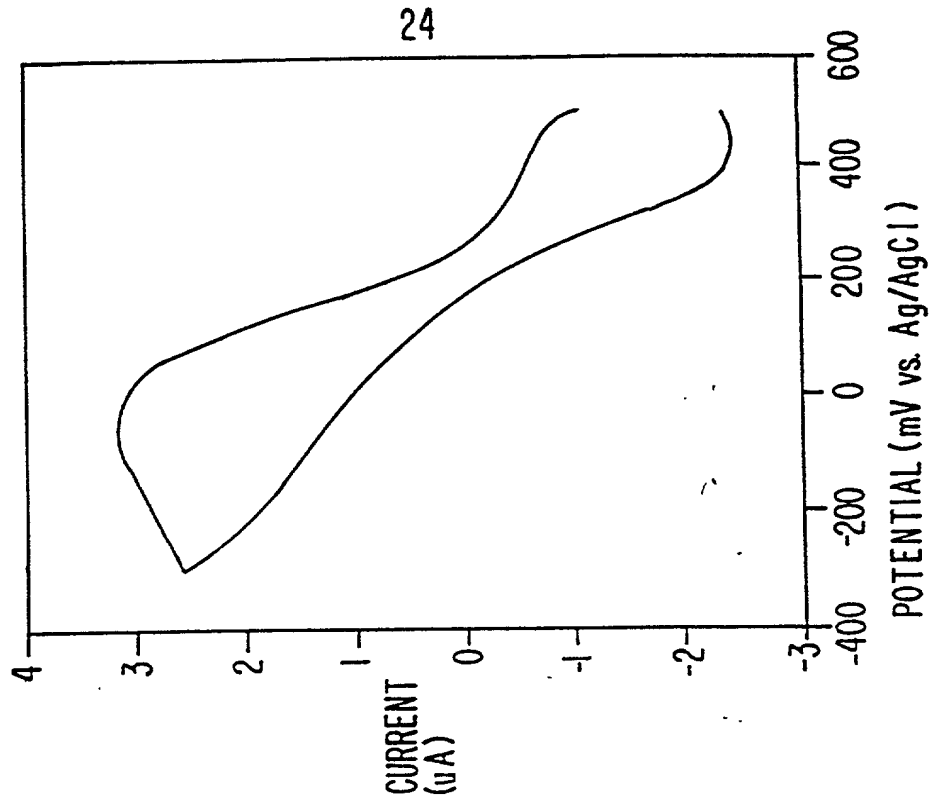




FIG. 46A

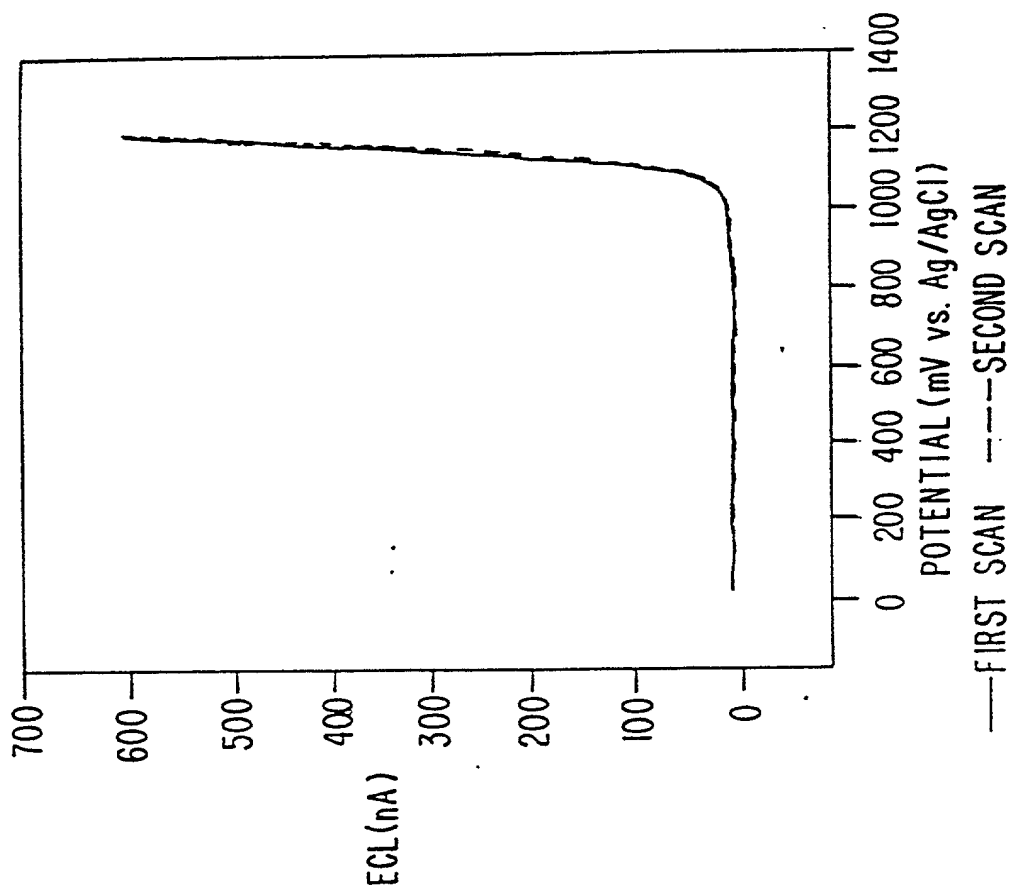


FIG. 46B

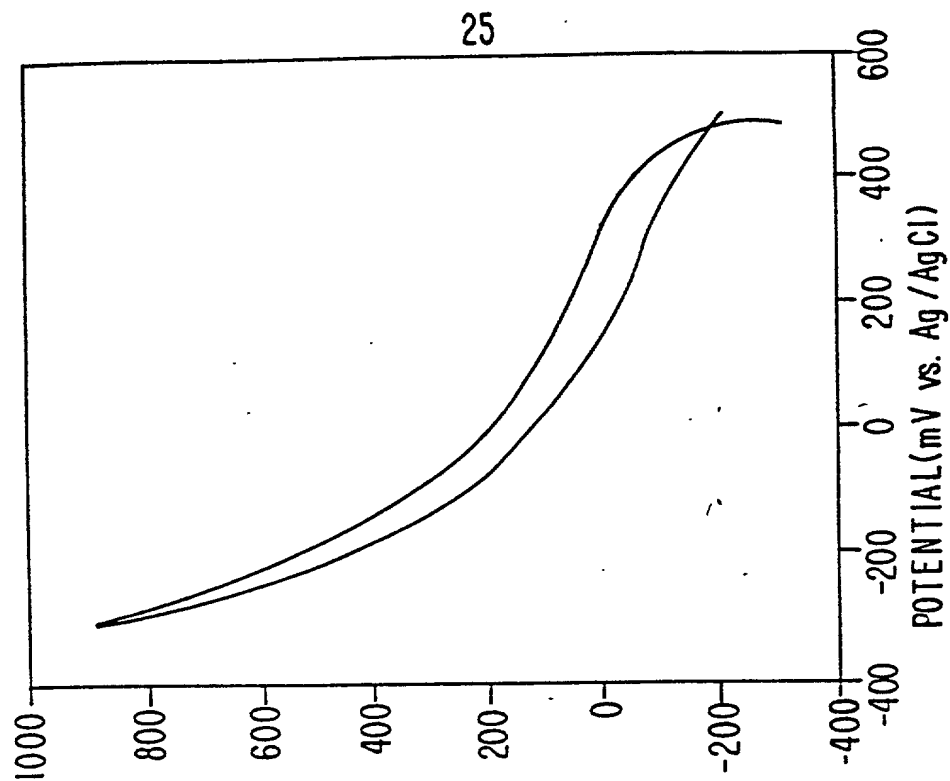
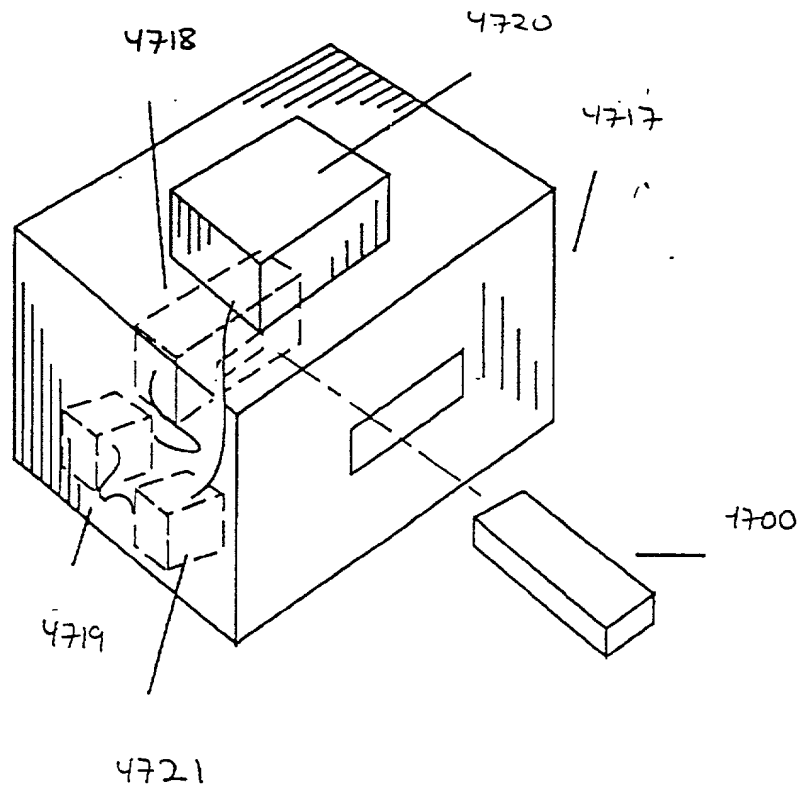


Figure 47



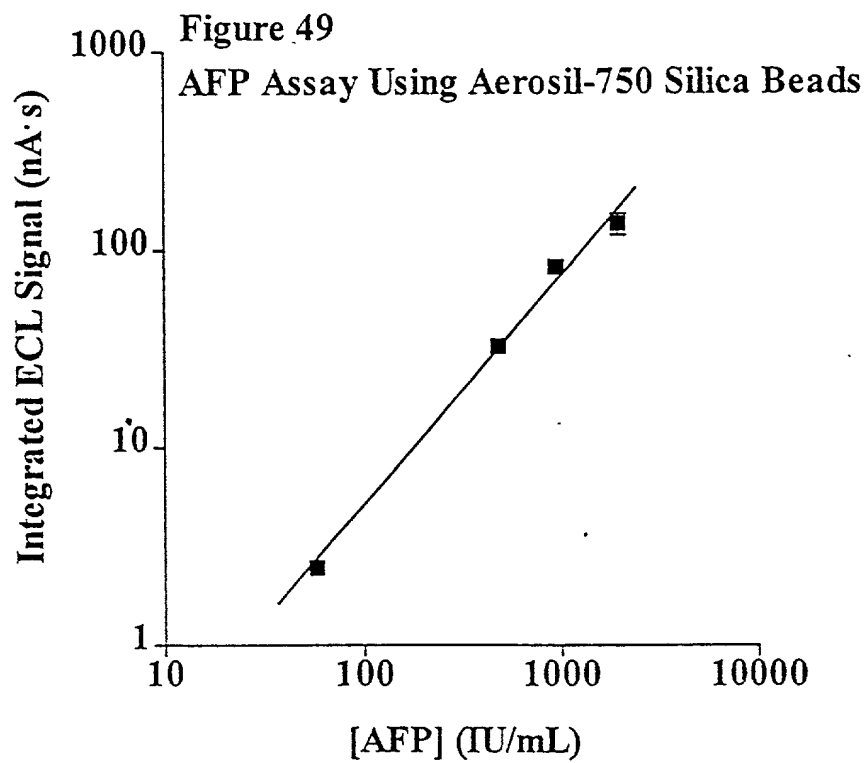
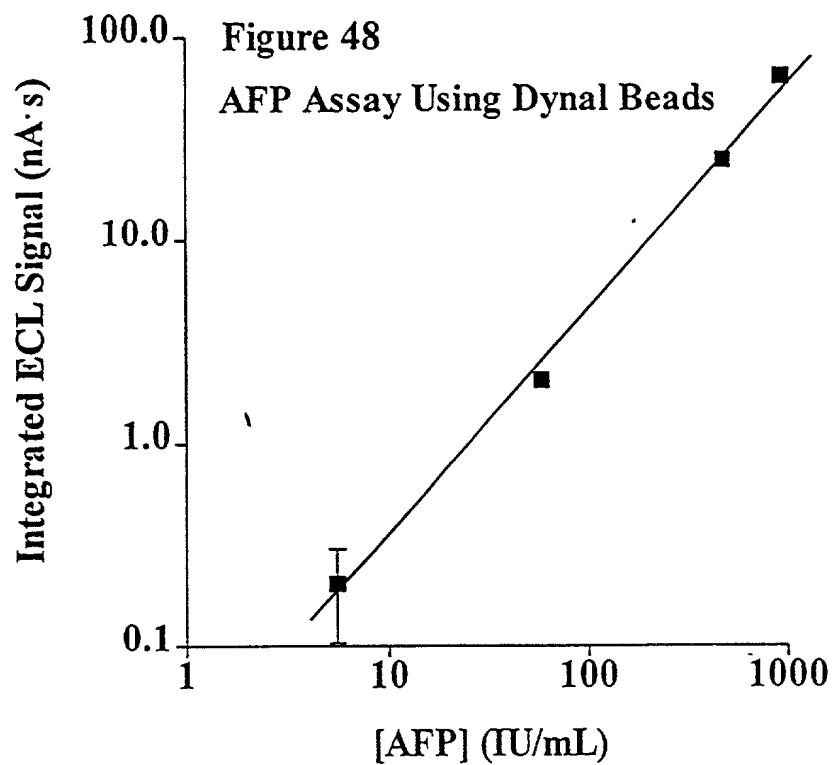


Figure 50

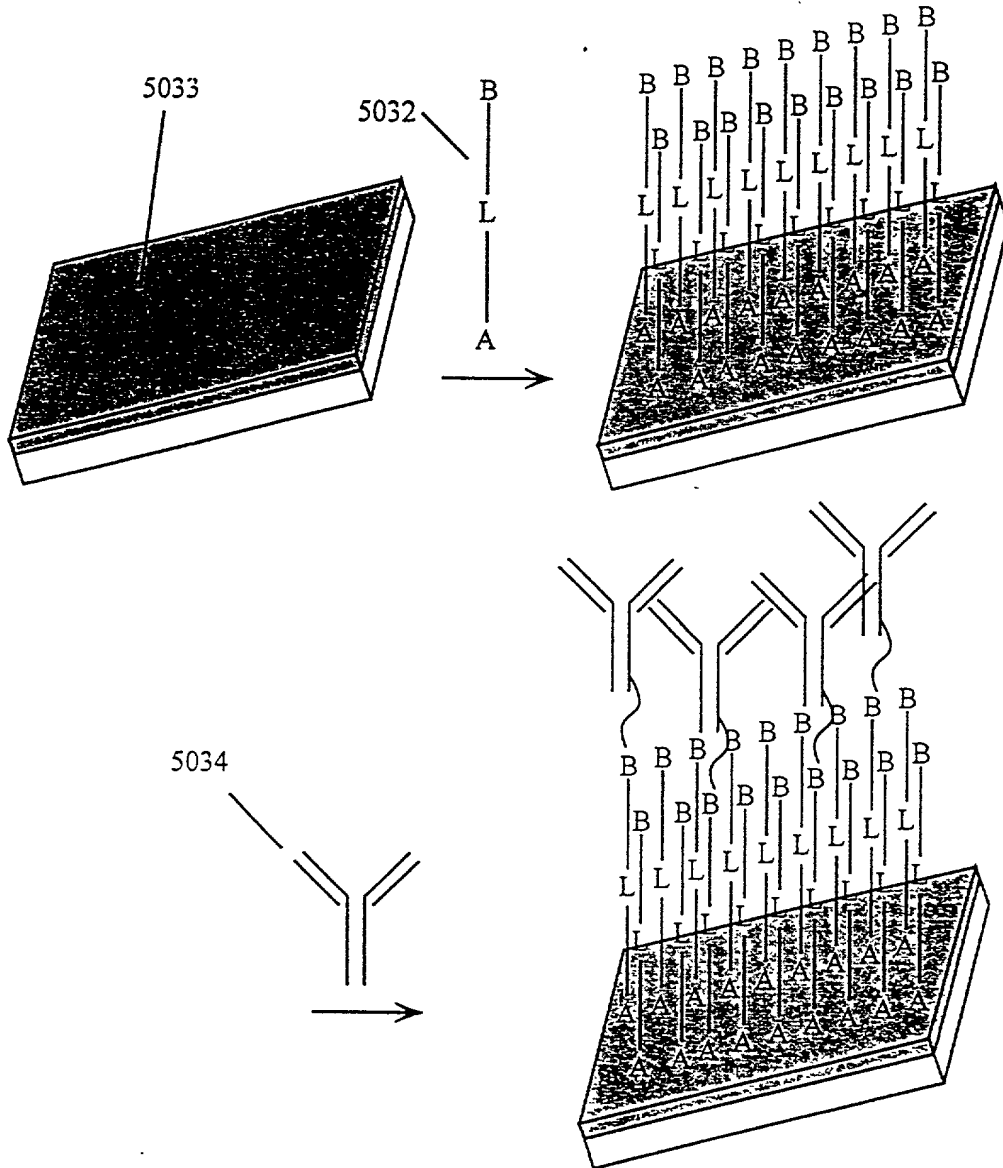


Figure 51

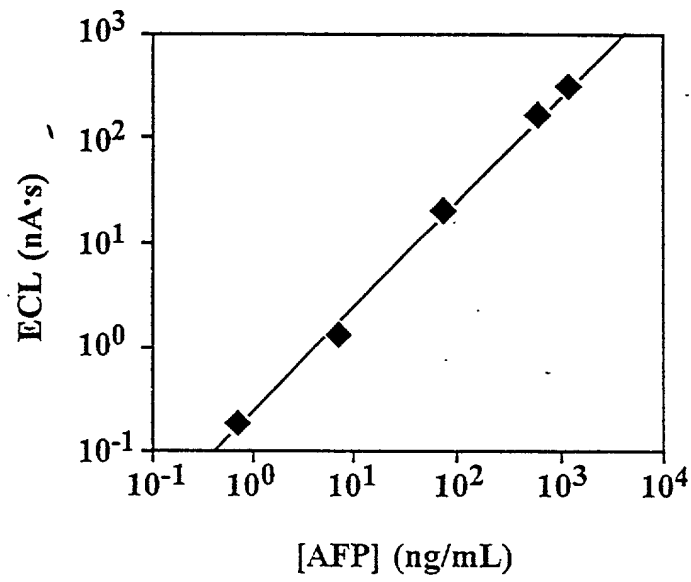


Figure 52

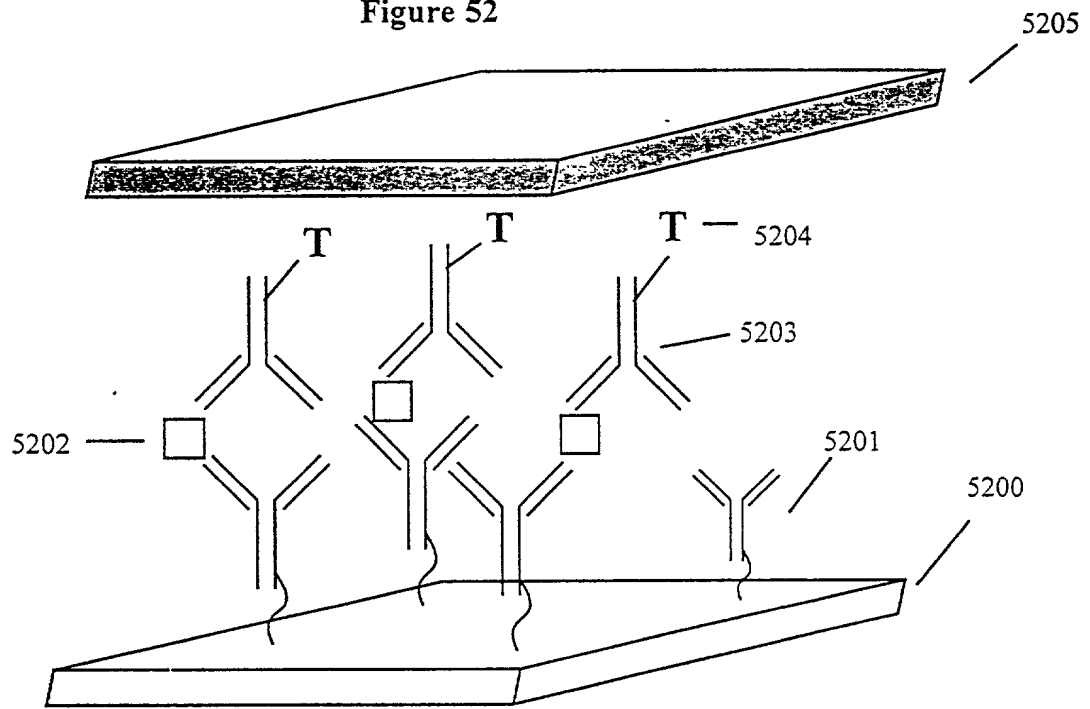


Figure 53

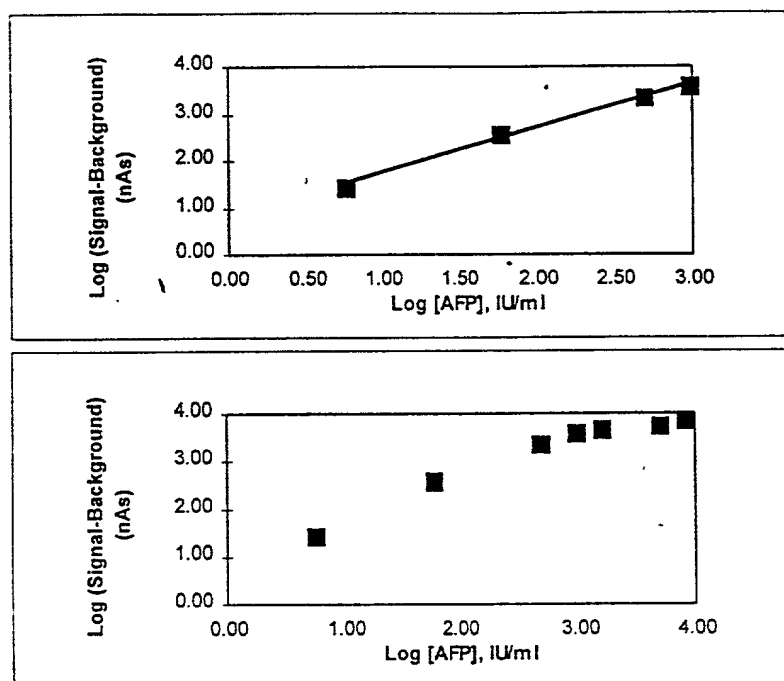
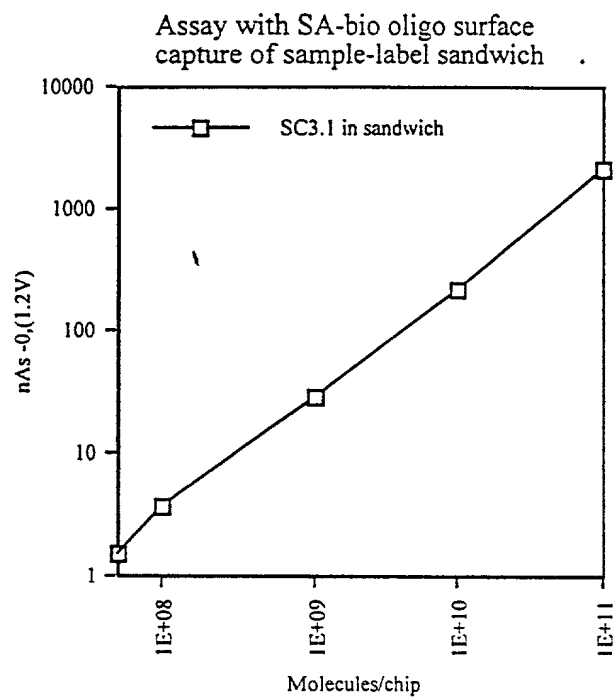


Figure 54





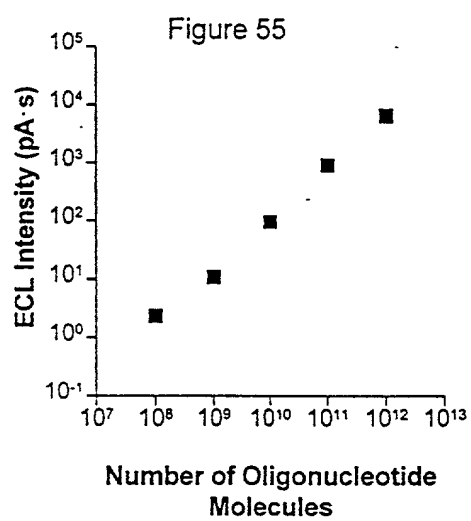


Figure 56

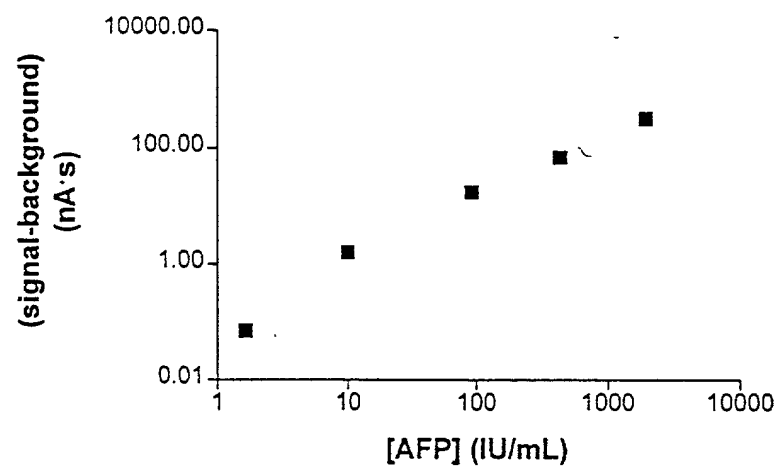
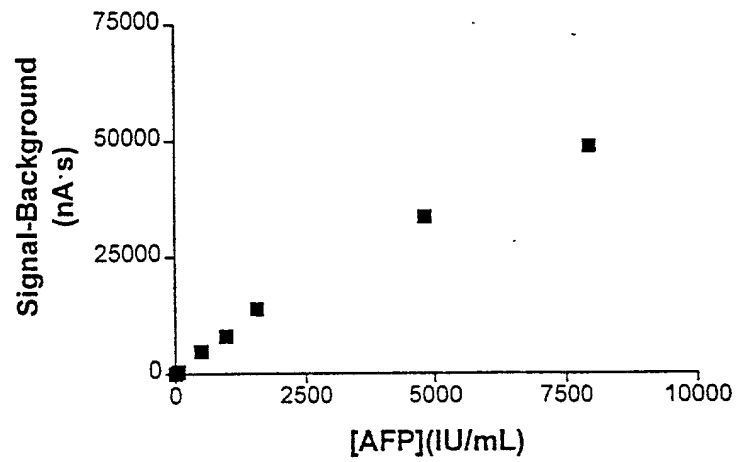
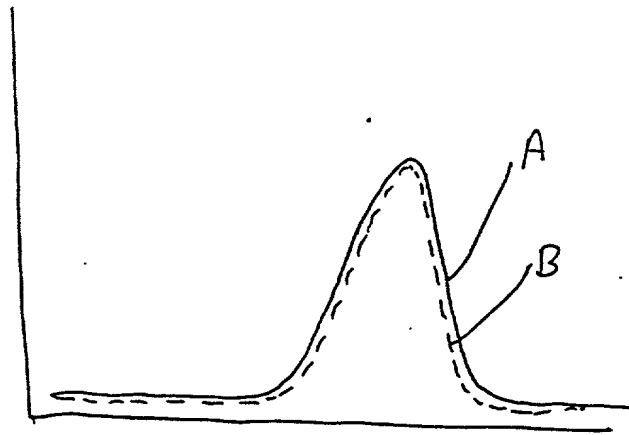


Figure 57



(A)

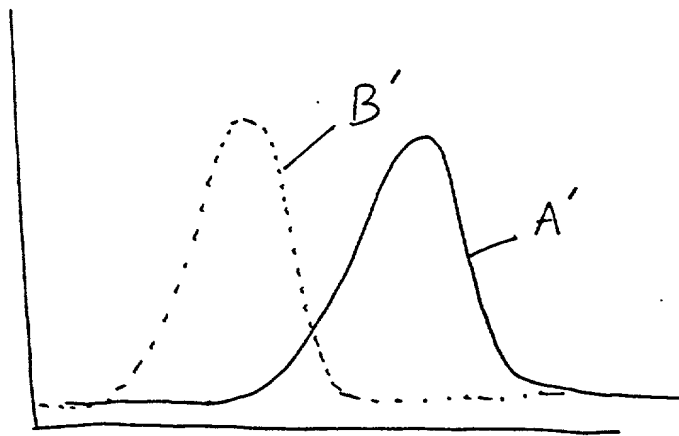
ECL  
Signal



Electrochemical  
Potential

(B)

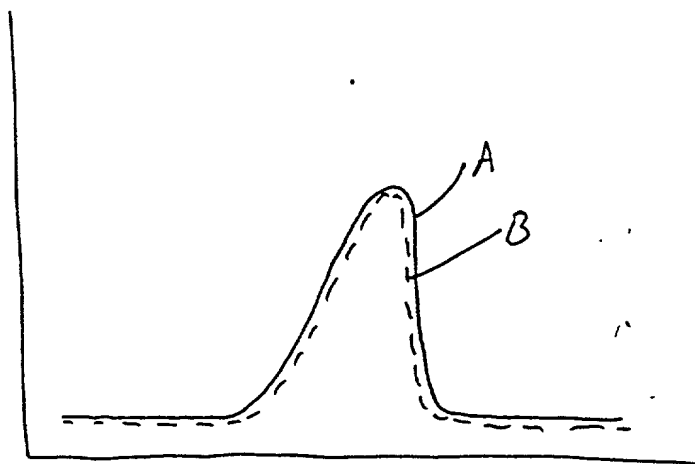
ECL  
Signal



Electrochemical  
Potential

Figure 58

(A)

ECL  
SignalElectrochemical  
Potential

(B)

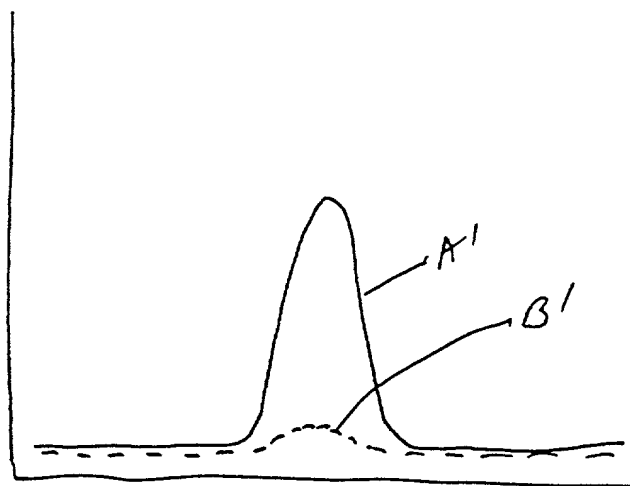
ECL  
SignalElectrochemical  
Potential

Figure 59

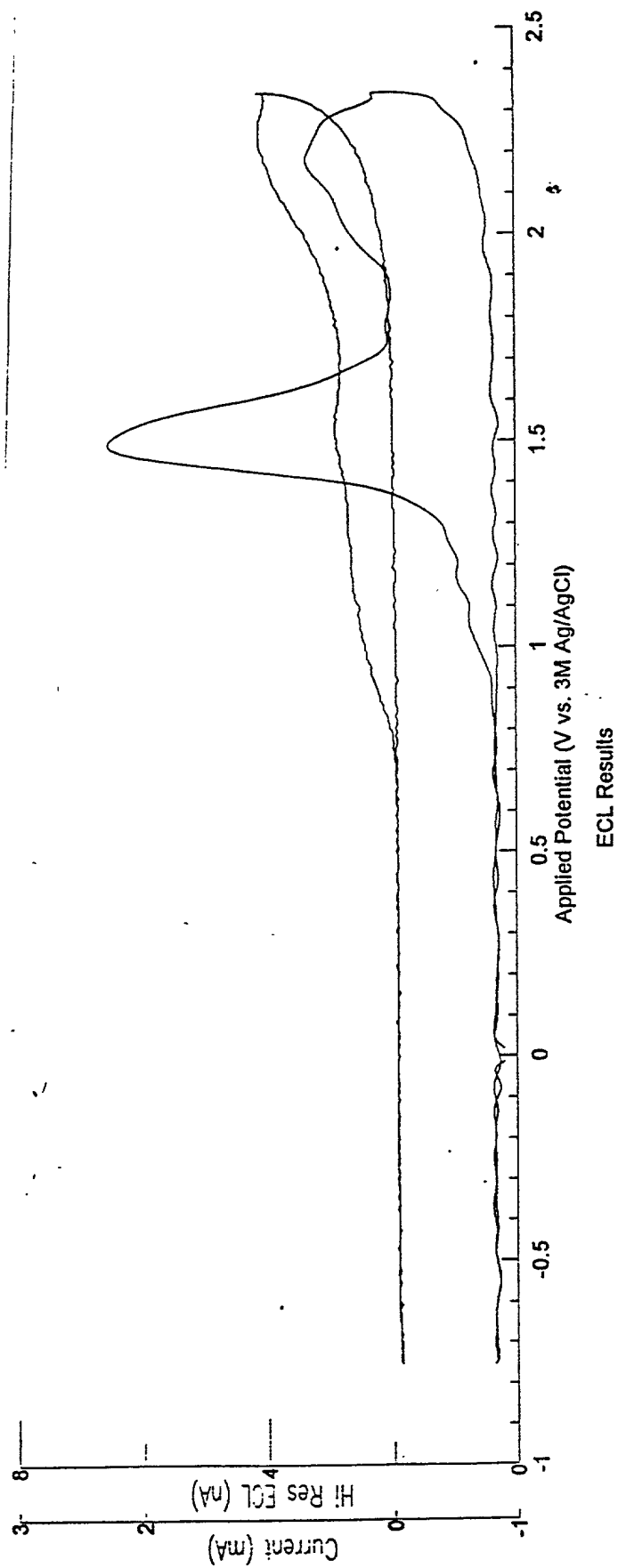


Figure 60

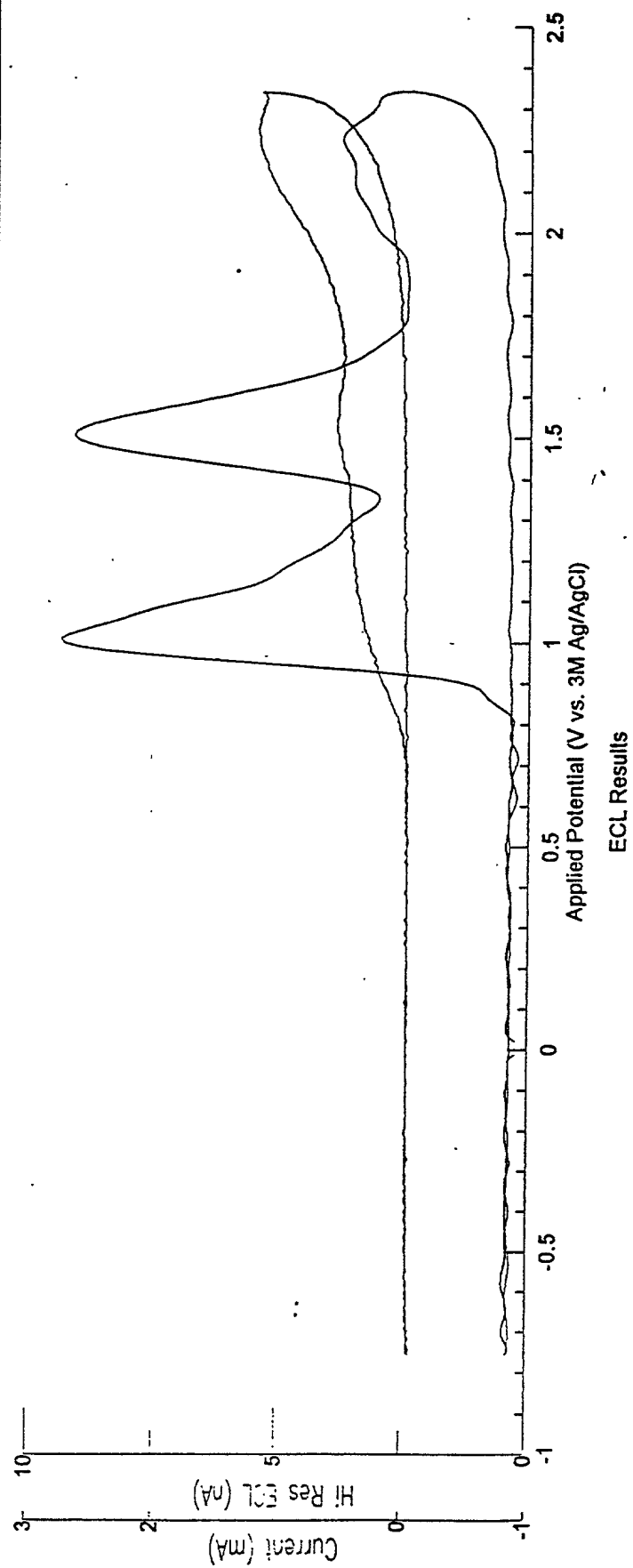


Figure 61